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(FILE 'HOME' ENTERED AT 14:15:50 ON 16 JUL 2002)

NNII NNII NN/sgsn

FILE 'REGISTRY' ENTERED AT 14:16:11 ON 16 JUL 2002

L1 57 S NNIINNIINN/SQSN
L2 57 S L1 AND 10-100/SQL

FILE 'CAPLUS' ENTERED AT 14:23:28 ON 16 JUL 2002

L3 29 S L2

=> d 1-29 bib hitstr

L3 ANSWER 1 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 2001:833540 CAPLUS
DN 135:369343
TI Transgenic plants with improved disease and stress resistance
incorporating genes of Zostera marina
IN Alberte, Randall S.; Smith, Robert D.
PA Phycogen, Inc., USA
SO PCT Int. Appl., 117 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

IIIA IIIAIIII

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001085971	A2	20011115	WO 2001-US15412	20010510
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG US 2002016980 A1 20020207 US 2001-854122 20010510 PRAI US 2000-202529P P 20000510 IT 374585-05-4 374585-06-5 RL: PRP (Properties) (unclaimed sequence; transgenic plants with improved disease and stress resistance incorporating genes of Zostera marina) RN 374585-05-4 CAPLUS CN DNA, d(Y-T-T-C-C-A-R-T-C-I-C-C-I-I-I-I-I-I-I-C-C-Y-T-T-Y-C-T) (9CI) (CA INDEX NAME)				

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 374585-06-5 CAPLUS
CN DNA, d(Y-T-T-C-C-A-R-T-C-I-C-C-I-I-I-I-I-I-I-C-C-Y-T-T-I-G-C) (9CI) (CA
INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 2 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 2001:674895 CAPLUS
DN 136:16837
TI DNA triple-helix formation at pyrimidine-purine inversion sites
AU Parel, Serge P.; Marfurt, Judith; Leumann, Christian J.
CS Department of Chemistry and Biochemistry, University of Bern, Bern,
CH-3012, Switz.

SO Nucleosides, Nucleotides & Nucleic Acids (2001), 20(4-7), 411-417
CODEN: NNNAFY; ISSN: 1525-7770
PB Marcel Dekker, Inc.
DT Journal
LA English
IT **376655-82-2 376655-83-3**
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
(Biological study)
(DNA triple-helix formation at pyrimidine-purine inversion sites)
RN 376655-82-2 CAPLUS
CN DNA, d([.alpha.-[1'-de(6-amino-9H-purin-9-yl)-1'-(1,6-dihydro-6-oxo-7H-purin-7-yl)](A-A-A-A-A-A-A-A-A-A)-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 376655-83-3 CAPLUS
CN DNA, d([1'-de(6-amino-9H-purin-9-yl)-1'-(1,6-dihydro-6-oxo-7H-purin-7-yl)](A-A-A-A-A-A-A-A-A-A)-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 2001:668341 CAPLUS
DN 135:236402
TI Antiviral guanosine-rich tetrad-forming oligonucleotides
IN Rando, Robert F.; Ojwaug, Joshua O.; Hogan, Michael E.; Wallace, Thomas L.; Cossum, Paul A.
PA Aronex Pharmaceuticals, Inc., USA; Baylor College of Medicine
SO U.S., 156 pp., Cont.-in-part of U.S. Ser. No. 682,255.
CODEN: USXXAM

DT Patent
LA English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6288042	B1	20010911	US 1998-17974	19980203
US 1993-53027		19930423		
US 1993-145704		19931028		
WO 1994-US4529		19940425		
US 1995-535168		19951023		
US 1996-682255		19960717		
US 1997-PV37374		19970204		

OS MARPAT 135:236402

IT **360582-72-5P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PNU (Preparation, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antiviral guanosine-rich tetrad-forming oligonucleotides)

RN 360582-72-5 CAPLUS

CN DNA, d(I-[1'-de(6-amino-9H-purin-9-yl)]A-G-G-I-I-G-G-I-I-G-G-I-I-G-G-I) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 2001:303883 CAPLUS
DN 135:242450
TI Photolithographic synthesis of high-density oligonucleotide arrays
AU McCall, Glenn H.; Fidanza, Jacqueline A.

GGU 5UGUG

CA 2306251	AA	19990429	CA 1998-2306251	19981015
AU 9910882	A1	19990510	AU 1999-10882	19981015
EP 1037975	A1	20000927	EP 1998-953539	19981015

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

	JP	2001520862	T2	20011106	JP	2000-517078	19981015
PRAI	US	1997-956518	A	19971023			
	WO	1998-US21762	W	19981015			

IT 223531-68-8

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

```
(primer; structure of human gene for neuronal nicotinic receptor
.alpha.7 subunit and its relation to schizophrenia)
```

RN 223531-68-8 CAPLUS

DNA, d(C-U-A-C-U-A-C-U-A-C-U-A-G-G-C-C-A-C-G-C-G-T-C-G-A-C-T-A-G-T-A-C-G-G-
 G-I-I-G-G-I-I-G-G-G-I-I-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 7 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1999:213260 CAPLUS

DN 131:55318

TI The Double Helix Is Dehydrated: Evidence from the Hydrolysis of Acridinium
Ester-Labeled Probes

AU Becker, Michael; Lerum, Vicente; Dickson, Steve; Nelson, Norman C.;
Matsuda, Eiji

CS Gen-Probe Incorporated, San Diego, CA, 92121, USA

SO Biochemistry (1999), 38(17), 5603-5611

CODEN: BICHAW; ISSN: 0006-2960

PB American Chemical Society

DT Journal

LA English

IT **228247-16-3D**, acridinium labeled **228247-23-2D**,
acridinium labeled **228247-24-3D**, acridinium labeled
228247-25-4D, acridinium labeled

RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent)
(evidence that the nucleic acid double helix is dehydrated from
hydrolysis of acridinium ester-labeled probes)

RN 228247-16-3 CAPLUS

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 228247-23-2 CAPLUS

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 228247-24-3 CAPLUS

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 228247-25-4 CAPLUS

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1998:543079 CAPLUS
DN 129:184240
TI Antiviral guanosine-rich tetrad-forming oligonucleotides
IN Rando, Robert F.; Ojwang, Joshua O.; Hogan, Michael E.; Wallace, Thomas L.; Cossum, Paul A.
PA Aronex Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 240 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 6

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9833807	A1	19980806	WO 1998-US1974	19980203
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6150339	A	20001121	US 1997-987574	19971209
AU 9862625	A1	19980825	AU 1998-62625	19980203
EP 971944	A1	20000119	EP 1998-904843	19980203
R: DE, ES, FR, GB, IT				
PRAI US 1997-37374P	P	19970204		
US 1997-987574	A	19971209		
WO 1998-US1974	W	19980203		
OS MARPAT 129:184240				
IT 187890-61-5P				
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(guanosine-rich tetrad-forming oligonucleotides for antiviral agents)				
RN 187890-61-5	CAPLUS			
CN DNA, d(I-sp-G-G-I-I-G-G-I-I-G-G-I-I-G-G-sp-I) (9CI) (CA INDEX NAME)				

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 9 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1998:275256 CAPLUS
DN 129:13795
TI The DNA Binding Domain of the Human c-Abl Tyrosine Kinase Preferentially Binds to DNA Sequences Containing an AAC Motif and to Distorted DNA Structures
AU David-Cordonnier, Marie-Helene; Hamdane, Malika; Bailly, Christian; D'Halluin, Jean-Claude
CS INSERM U 124 Onco-hematologie Moleculaire, Institut de Recherches sur le Cancer de Lille, Lille, 59045, Fr.
SO Biochemistry (1998), 37(17), 6065-6076
CODEN: BICHAW; ISSN: 0006-2960
PB American Chemical Society
DT Journal
LA English
IT **207623-48-1**
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(binding; DNA-binding domain of the human c-Abl tyrosine kinase preferentially binds to DNA sequences contg. an AAC motif and to distorted DNA structures)

RN 207623-48-1 CAPLUS
CN DNA, d(C-A-C-G-C-A-G-C-T-G-G-G-C-I-I-I-I-I-I-C-I-I-C-I-I-I-A-G-A-G-C-G-C-T-C-G-C-C), complex with DNA d(G-G-C-G-A-G-C-G-C-T-C-T-T-C-C-G-C-C-G-C-C-C-C-C-C-G-C-C-A-G-C-T-G-C-G-T-G) (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 10 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1997:761687 CAPLUS
DN 128:58266
TI Fingerprinting bacterial strains using repetitive DNA sequence amplification
IN Lupski, James R.; Versalovic, James; Koeuth, Thearith
PA Baylor College of Medicine, USA
SO U.S., 47 pp., Cont.-in-part of U.S. Ser. No. 781,424, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5691136	A	19971125	US 1993-111077	19930824
	ES 2152933	T3	20010216	ES 1992-923440	19921021
	US 5523217	A	19960604	US 1994-248848	19940525
PRAI	US 1991-781424	B2	19911023		

IT **148999-14-8 148999-15-9 148999-27-3**
200220-98-0

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(PCR primer for REP (repetitive extragenic palindromic element); fingerprinting bacterial strains using repetitive DNA sequence amplification)

RN 148999-14-8 CAPLUS
CN DNA, d(I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-G-I-C-A-T-C-I-G-G-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 148999-15-9 CAPLUS
CN DNA, d(A-T-A-A-G-I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-G-I-C-A-T-C-I-G-G-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 148999-27-3 CAPLUS
CN DNA, d(C-G-I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-T-T-A-T-C-I-G-G-C-C-T-A-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 200220-98-0 CAPLUS
CN DNA, d(G-C-C-I-G-A-T-G-I-C-G-I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-T-T-A-T-C-I-G-G-C-C-T-A-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 11 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1997:513501 CAPLUS
DN 127:190989
TI Preparation of N-alkylthiopurine-containing oligoribonucleotides as virucides
IN Meyer, Rich B., Jr.; Gall, Alexander A.; Broom, Arthur D.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5652359	A	19970729	US 1993-162590	19931202

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	----	-----	-----
PI	WO 9703997	A1	19970206	WO 1996-US11786	19960717
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK,				

EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR,
LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,
SD, SE

RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM

US 6184369 B1 20010206 US 1995-535168 19951023
AU 9669506 A1 19970218 AU 1996-69506 19960717
AU 725936 B2 20001026
EP 871643 A1 19981021 EP 1996-930490 19960717

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

PRAI US 1995-1505P P 19950719
US 1995-535168 A2 19951023
US 1996-13688P P 19960319
US 1996-14007P P 19960325
US 1996-16271P P 19960417
US 1996-15714P P 19960423
US 1993-53027 B2 19930423
US 1993-145704 A2 19931028
WO 1994-US4529 W 19940425
WO 1996-US11786 W 19960717

IT **187890-61-5**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(oligo T30721; antiviral guanosine-rich oligonucleotides acting as integrase inhibitors)

RN 187890-61-5 CAPLUS

CN DNA, d(I-sp-G-G-I-I-G-G-I-I-G-G-I-I-G-G-sp-I) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 14 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1996:485943 CAPLUS

DN 125:188623

TI Binding Studies of a Triple-Helical Peptide Model of Macrophage Scavenger Receptor to Tetraplex Nucleic Acids

AU Mielewczyk, Slawomir S.; Anachi, Rajini Balakrishnan; Breslauer, Kenneth J.; Brodsky, Barbara

CS Department of Chemistry, Rutgers State University of New Jersey, Piscataway, NJ, 08855, USA

SO Biochemistry (1996), 35(35), 11396-11402

CODEN: BICHAW; ISSN: 0006-2960

DT Journal

LA English

IT **180617-49-6**

RL: BPR (Biological process); PRP (Properties); BIOL (Biological study); PROC (Process)

(tetraplex; binding studies of a triple-helical peptide model of macrophage scavenger receptor to tetraplex nucleic acids)

RN 180617-49-6 CAPLUS

CN DNA, d(T-I-I-I-I-I-I-I-I-I-I-I-I-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 15 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1995:274084 CAPLUS

DN 122:122509

TI Anti-human immunodeficiency virus activity of a novel class of thiopurine-based oligonucleotides

AU Meyer, Rich B., Jr.; Gall, Alexander A.; Gorn, Vladimir V.

CS MicroProbe Corp., Bothell, WA, 98021, USA

[illegible]

CN DNA, d(I-C-A-T-C-A-T-C-I-A-I-I-A-I-I-I-C-I-A-I-I-T-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 17 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1995:4161 CAPLUS
DN 122:126439
TI Investigations of oligodeoxyinosine for triple helix formation
AU Hogeland, Jane S.; Weller, Dwight D.
CS Dep. Chem., Oregon State Univ., Corvallis, OR, 97331, USA
SO Antisense Res. Dev. (1993), 3(3), 285-90
CODEN: AREDEI; ISSN: 1050-5261
DT Journal
LA English
IT **160831-73-2**
RL: PRP (Properties)
(DNA triple helix formation with oligodeoxyinosine)
RN 160831-73-2 CAPLUS
CN DNA, d(I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1994:271061 CAPLUS
DN 120:271061
TI Matrix-assisted laser-desorption mass spectrometry of homopolymer oligodeoxyribonucleotides. Influence of base composition on the mass spectrometric response
AU Schneider, Klaus; Chait, Brian T.
CS Rockefeller Univ., New York, NY, 10021, USA
SO Org. Mass Spectrom. (1993), 28(11), 1353-61
CODEN: ORMSBG; ISSN: 0030-493X
DT Journal
LA English
IT **154655-27-3**
RL: PRP (Properties)
(matrix-assisted laser-desorption mass spectrometry of homopolymer oligodeoxyribonucleotides in DNA sequence detn.).
RN 154655-27-3 CAPLUS
CN DNA, d(I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1993:488347 CAPLUS
DN 119:88347
TI Fingerprinting bacterial strains using repetitive DNA sequence amplification
IN Lupski, James R.; Koeuth, Thearith; Versalovic, James
PA Baylor College of Medicine, USA
SO PCT Int. Appl., 97 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9308297	A1	19930429	WO 1992-US9230	19921021
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
	AU 9229316	A1	19930521	AU 1992-29316	19921021

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EP 610396      A1      19940817      EP 1992-923440      19921021
EP 610396      B1      20010117
      R:  AT, CH, DE, DK, ES, FR, GB, IE, IT, LI, SE
AT 198773      E      20010215      AT 1992-923440      19921021
ES 2152933     T3      20010216      ES 1992-923440      19921021
US 5523217     A      19960604      US 1994-248848      19940525
PRAI US 1991-781424  A      19911023
WO 1992-US9230  A      19921021
OS  MARPAT 119:88347
IT  148999-14-8 148999-15-9 148999-27-3
      RL:  USES (Uses)
            (PCR primer based on repetitive extragenic palindromic element, for
            identification of bacterial strains)
RN  148999-14-8  CAPLUS
CN  DNA, d(I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-G-I-C-A-T-C-I-G-G-C) (9CI)  (CA INDEX
      NAME)

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[illegible]

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L3 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1991:529735 CAPLUS
DN 115:129735
TI Quadruplex DNA formation in a region of the tRNA gene supF associated with
hydrogen peroxide mediated mutations
AU Akman, Steven A.; Lingeman, Robert G.; Doroshov, James H.; Smith, Steven
S.
CS City Hope Natl. Med. Cent., Duarte, CA, 91010, USA
SO Biochemistry (1991), 30(35), 8648-53
CODEN: BICHAW; ISSN: 0006-2960
DT Journal
LA English
IT 135695-32-8
RL: PRP (Properties)
    (secondary structure of, gene supF mutation from hydroxyl in relation
    to)
RN 135695-32-8 CAPLUS
CN DNA, d(A-A-A-I-T-I-A-T-I-I-T-I-I-T-I-I-I-I-A-A-I-I-A-T-T-C-I-A-A-C-C-T)
(9CI) (CA INDEX NAME)
```

L3	ANSWER 22 OF 29 CAPLUS COPYRIGHT 2002 ACS					
AN	1991:505986 CAPLUS					
DN	115:105986					
TI	Short therapeutic dsRNA of defined structure					
IN	Gillespie, David H.; Carter, William A.					
PA	Hem Research, Inc., USA					
SO	PCT Int. Appl., 22 pp.					
	CODEN: PIXXD2					
DT	Patent					
LA	English					
FAN.CNT	1					
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
	-----	----	-----	-----	-----	
PI	WO 9014090	A1	19901129	WO 1989-US2172	19890519	
	W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MG, MW, NO, RO, SD, SU					
	RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR,					
	NL, SE, SN, TD, TG					
	AU 8937368	A1	19901218	AU 1989-37368	19890519	
	EP 473576	A1	19920311	EP 1989-906635	19890519	
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
	JP 04507083	T2	19921210	JP 1989-503637	19890519	
	NO 9104529	A	19920414	NO 1991-4529	19911119	
PRAI	WO 1989-US2172		19890519			

IT 135751-31-4 135770-06-8 135770-07-9

RL: BIOL (Biological study)

(double-stranded RNA for activation of double-stranded RNA-dependent enzymes and induction of interferon)

RN 135751-31-4 CAPLUS

CN RNA, (U-C-I-A-A-U-I-I-I-I-C-C-C-C-C-C-C-C-C-C-U-C-U-U-A-A), complex with RNA (U-U-A-A-I-A-I-I-I-I-I-I-I-I-I-I-C-C-C-A-U-U-C-I-A) (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 135770-06-8 CAPLUS

CN Inosine, uridylyl-(3'.fwdarw.5')-adenylyl-(3'.fwdarw.5')-adenylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-, complex with cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-adenosine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 135493-60-6

CMF C179 H201 N72 O105 P17

CCI MAN

CDES 5:ALL, B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 135493-24-2

CMF C136 H179 N45 O89 P14

CCI MAN

CDES 5:ALL, B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 135770-07-9 CAPLUS

CN Adenosine, uridylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-uridylyl-(3'.fwdarw.5')-uridylyl-(3'.fwdarw.5')-cytidylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-, complex with uridylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-adenosine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 135493-69-5

CMF C196 H225 N76 O118 P19
CCI MAN
CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 135493-65-1
CMF C184 H237 N64 O118 P19
CCI MAN
CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 23 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1990:235780 CAPLUS
DN 112:235780
TI Preparation of oligoribonucleotides as antiviral agents for treatment of
AIDS
IN Shibahara, Susumu; Morisawa, Hirokazu; Nakajima, Hideki; Yamamoto, Naoki;
Mukai, Sachiko
PA Ajinomoto Co., Inc., Japan
SO Eur. Pat. Appl., 53 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 339842	A2	19891102	EP 1989-303700	19890413
	EP 339842	A3	19940309		
	EP 339842	B1	19961106		
	R: DE, FR, GB				
	JP 03128391	A2	19910531	JP 1989-64058	19890316
	JP 2976436	B2	19991110		
	EP 739899	A2	19961030	EP 1996-106543	19890413
	EP 739899	A3	19961218		
	EP 739899	B1	20010613		
	R: DE, FR, GB				
	EP 739900	A2	19961030	EP 1996-106544	19890413
	EP 739900	A3	19961218		
	EP 739900	B1	20010613		
	R: DE, FR, GB				
	EP 739901	A2	19961030	EP 1996-106545	19890413
	EP 739901	A3	19961113		
	EP 739901	B1	20011219		
	R: DE, FR, GB				
	EP 739902	A2	19961030	EP 1996-106546	19890413
	EP 739902	A3	19961218		
	EP 739902	B1	20010613		
	R: DE, FR, GB				
PRAI	JP 1988-104943	A	19880427		
	JP 1988-138966	A	19880606		
	JP 1988-168142	A	19880706		
	JP 1988-227887	A	19880912		
	JP 1988-238481	A	19880922		
	JP 1989-24372	A	19890202		
	JP 1989-64058	A	19890316		
	EP 1989-303700	A3	19890413		
OS	MARPAT 112:235780				
IT	119939-11-6P 127119-90-8P 127119-91-9P				

BN 119939-11-6 CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

AN 1990:50777 CAPLUS

DN	112:50777
----	-----------

TI Telomere G-strand structure and function analyzed by chemical protection, base analog substitution, and utilization by telomerase in vitro

AU Henderson, Eric R.; Moore, Michael; Malcolm, Bruce A.

CS Dep. Zool., Iowa State Univ., Ames, IA, 50011, USA

SO Biochemistry (1990), 29(3), 732-7

CODEN: BICHAW; ISSN: 0006-2960

DT Journal

LA English

IT 124754-02-5P 124754-03-6P 124754-04-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and G-strand structure formation by, telomere of *Tetrahymena*
thermophila structure and function in relation to)

RN 124754-02-5 CAPLUS

CN DNA, d(T-T-I-I-I-I-T-T-I-I-I-I-T-T-I-I-I-I) (9CI) (CA INDEX

X $\left[\begin{array}{l} \text{Claims} \\ 1, 3, 20 \end{array} \right]$

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CN DNA, d(T-T-I-I-I-I-T-T-I-I-I-I-T-T-G-G-G-G-T-T-G-G-G-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 124754-04-7 CAPLUS

CN DNA, d(T-T-G-G-G-G-T-T-G-G-G-G-T-T-I-I-I-I-T-T-I-I-I-I) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 25 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1989:546319 CAPLUS

DN 111:146319

TI Inhibition of human immunodeficiency virus (HIV-1) replication by synthetic oligo-RNA derivatives

AU Shibahara, Susumu; Mukai, Sachiko; Morisawa, Hirokazu; Nakashima, Hideki;
Kobayashi, Susumu; Yamamoto, Naoki

CS Cent. Res. Lab., Ajinomoto Co., Inc., Kawasaki, 210, Japan

SO Nucleic Acids Res. (1989), 17(1), 239-52

CODEN: NARHAD; ISSN: 0305-1048

DT' Journal

LA English

IT 119939-11-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

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      (prepn. and human immunodeficiency virus replication inhibition by)

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RN 119939-11-6 CAPLUS

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1981:567002 CAPLUS

DN 95:167002

TI	Induction of interferon production by modified nucleic acid complexes
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IN Ts'o, Paul O. P.; Carter, William A.

PA Johns Hopkins University, USA

SO Can., 41 pp. Division of Can. Appl. No. 212,624.

CODEN: CAXXA4

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 1101849	A2	19810526	CA 1979-336619	19790928
	US 4024222	A	19770517	US 1973-411119	19731030
	CA 1073387	A1	19800311	CA 1974-212624	19741030

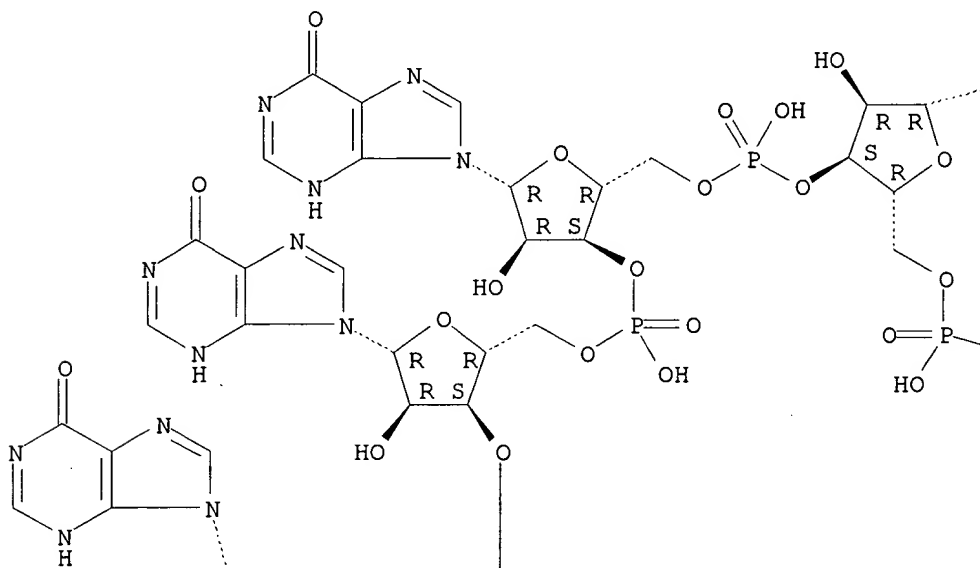
IT 79394-94-8 79395-03-2

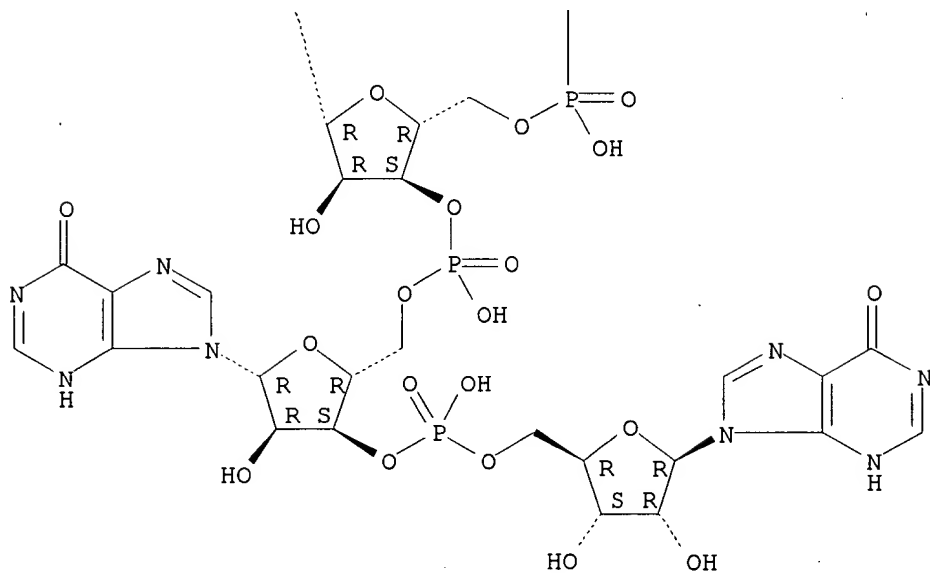
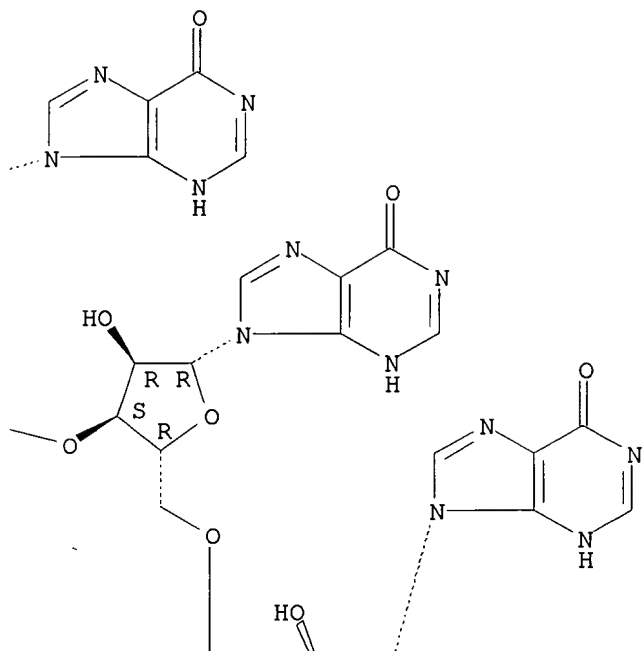
RN 79394-94-8 CAPLUS

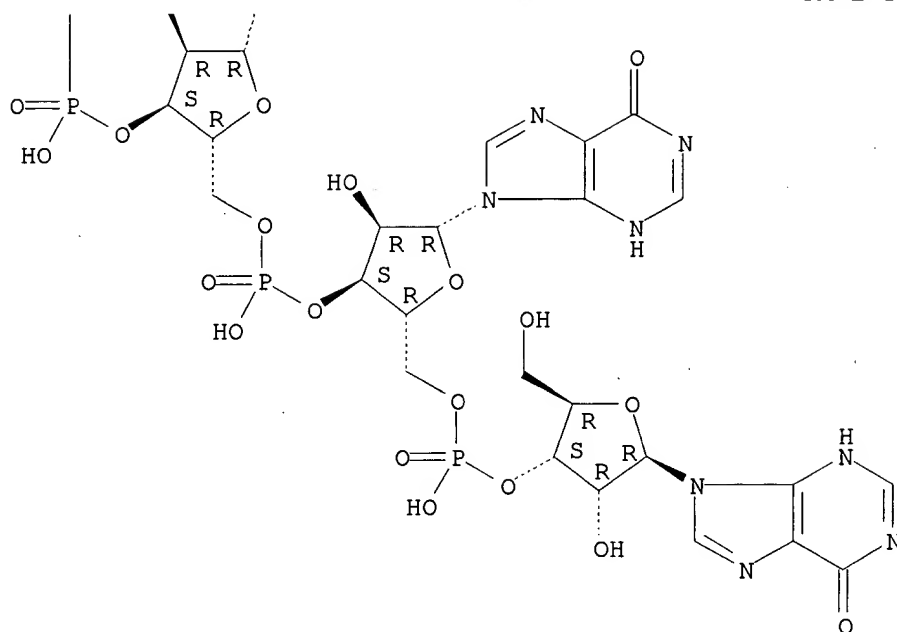
CM 1

CDES 5:ALL,B-D-RIBO

PAGE 1-A







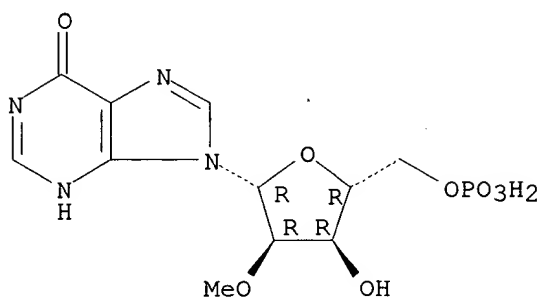
CM 2

CRN 15475-12-4

CMF C11 H15 N4 O8 P

CDES 5:B-D-RIBO

Absolute stereochemistry.



CM 3

CRN 30811-80-4

CMF (C9 H14 N3 O8 P)x

CCI PMS

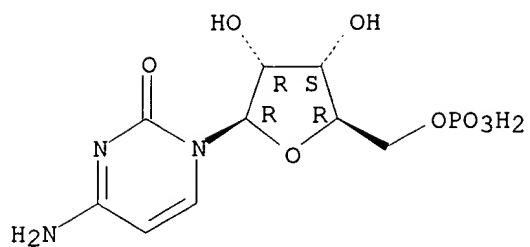
CM 4

CRN 63-37-6

CMF C9 H14 N3 O8 P

CDES 5:B-D-RIBO

Absolute stereochemistry.



RN 79395-03-2 CAPLUS

CN 5'-Cytidylic acid, homopolymer, complex with inosinylyl-(3'.fwdarw.5')-
 inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
 (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
 inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
 (3'.fwdarw.5')-inosine (1:1) (9CI) (CA INDEX NAME)

CM 1

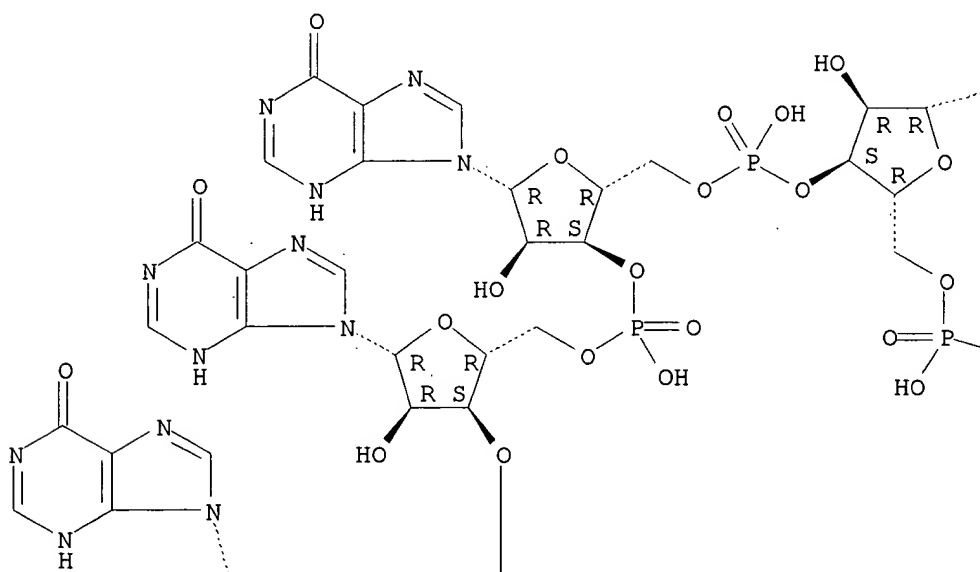
CRN 39014-25-0

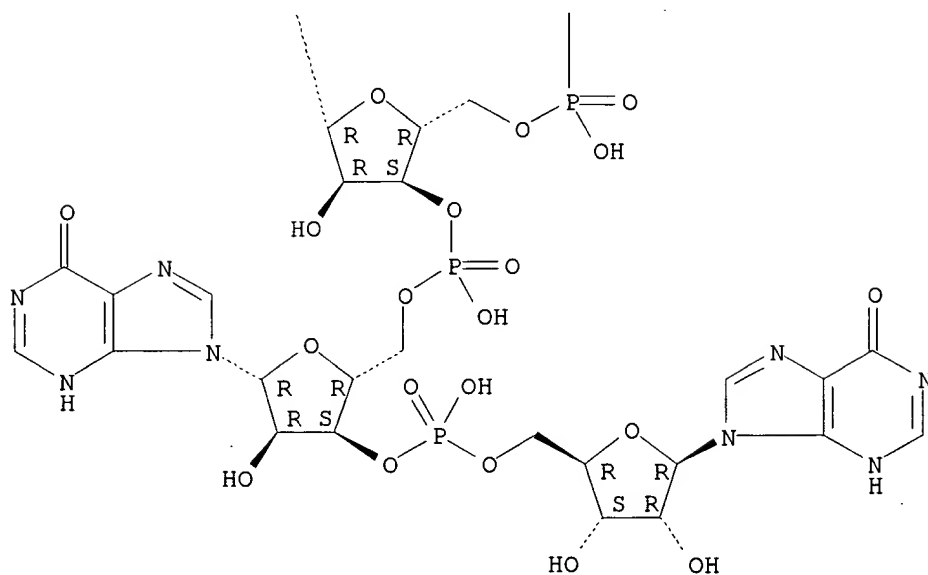
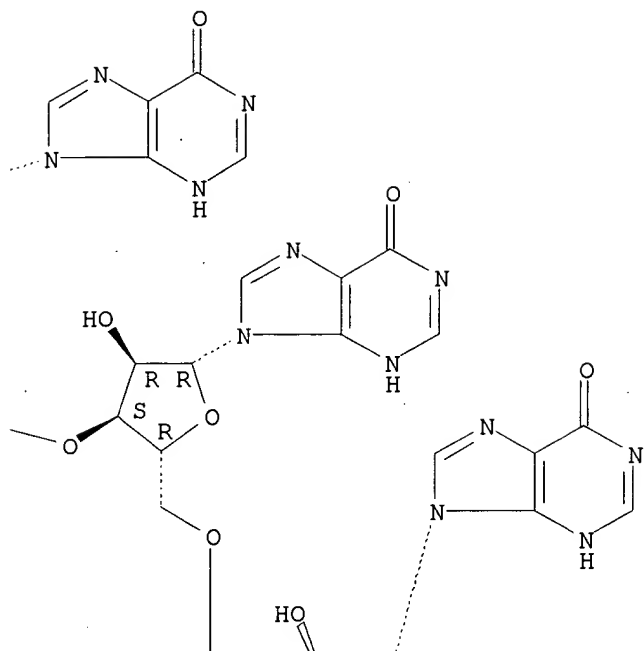
CMF C100 H111 N40 O68 P9

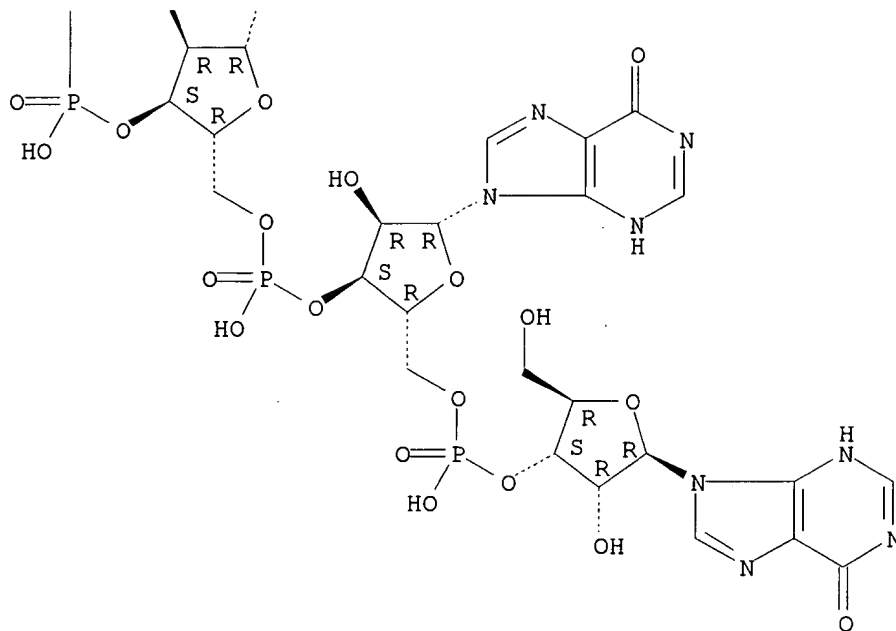
CDES 5:ALL,B-D-RIBO

Absolute stereochemistry.

PAGE 1-A







CM 2

CRN 30811-80-4

CMF (C9 H14 N3 O8 P)x

CCI PMS

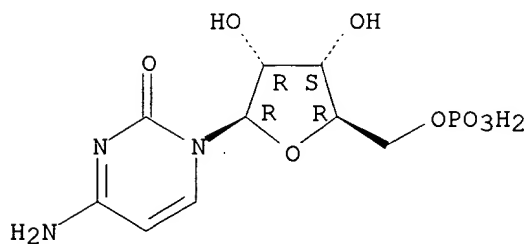
CM 3

CRN 63-37-6

CMF C9 H14 N3 O8 P

CDES 5:B-D-RIBO

Absolute stereochemistry.



L3 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1975:402601 CAPLUS

DN 83:2601

TI Comparative ability of RNA and DNA to prime DNA synthesis in vitro. Role of sequence, sugar, and structure of template . primer

AU Tambllyn, Toby M.; Wells, Robert D.

CS Coll. Agric. Life Sci., Univ. Wisconsin, Madison, Wis., USA

SO Biochemistry (1975), 14(7), 1412-25

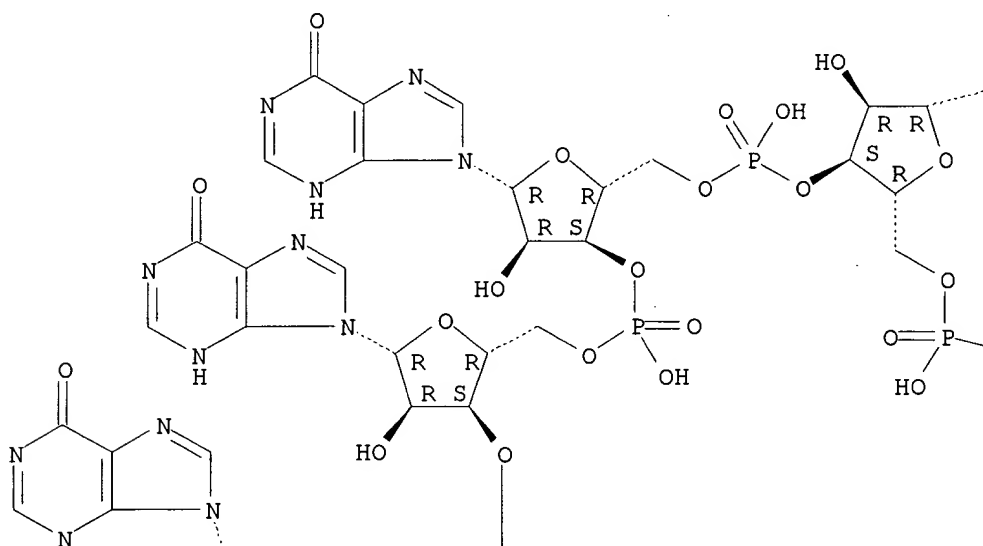
CODEN: BICHAW

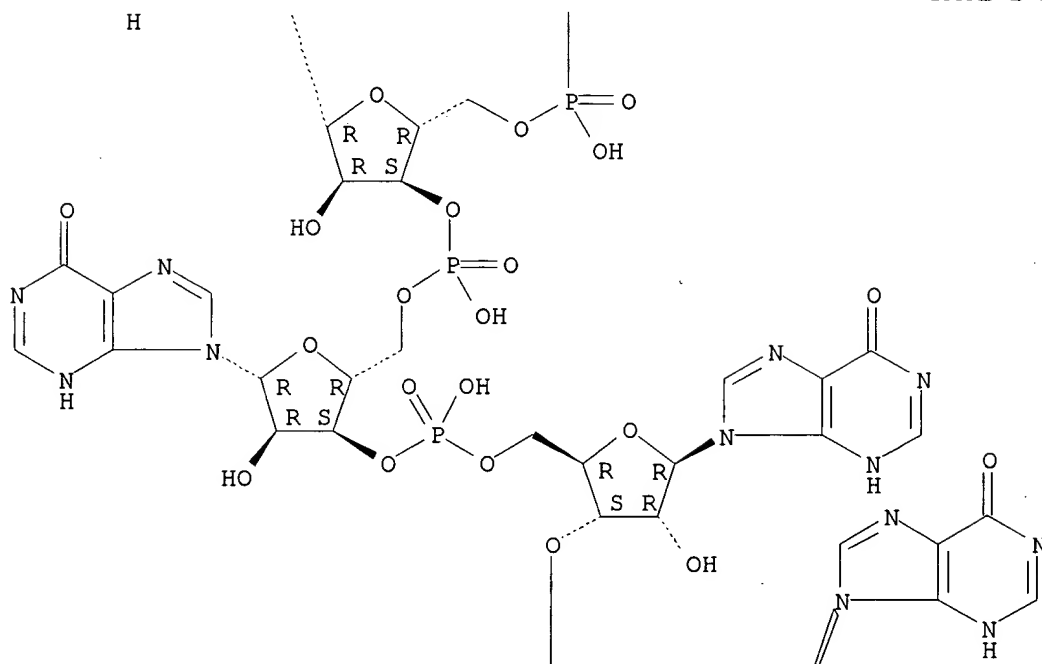
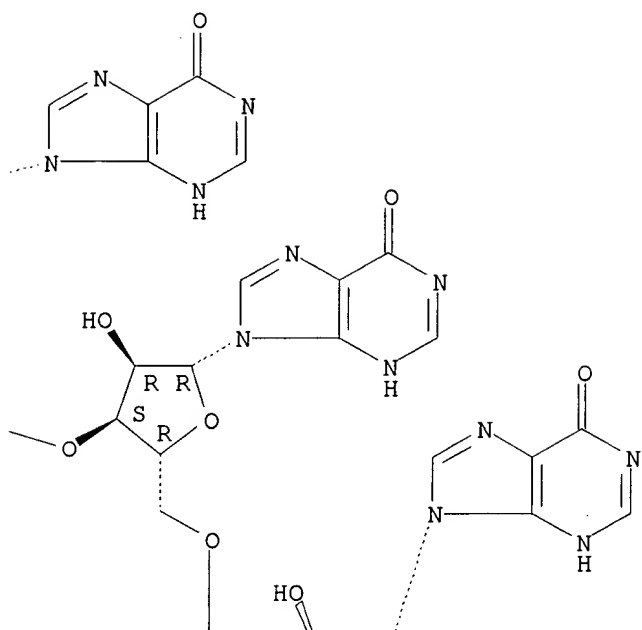
DT Journal

LA English
 IT **55512-76-0**
 RL: BIOL (Biological study)
 (DNA polymerase priming by)
 RN 55512-76-0 CAPLUS
 CN 3'-Inosinic acid, inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
 inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
 (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
 inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
 (3'.fwdarw.5')- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A





CM 1

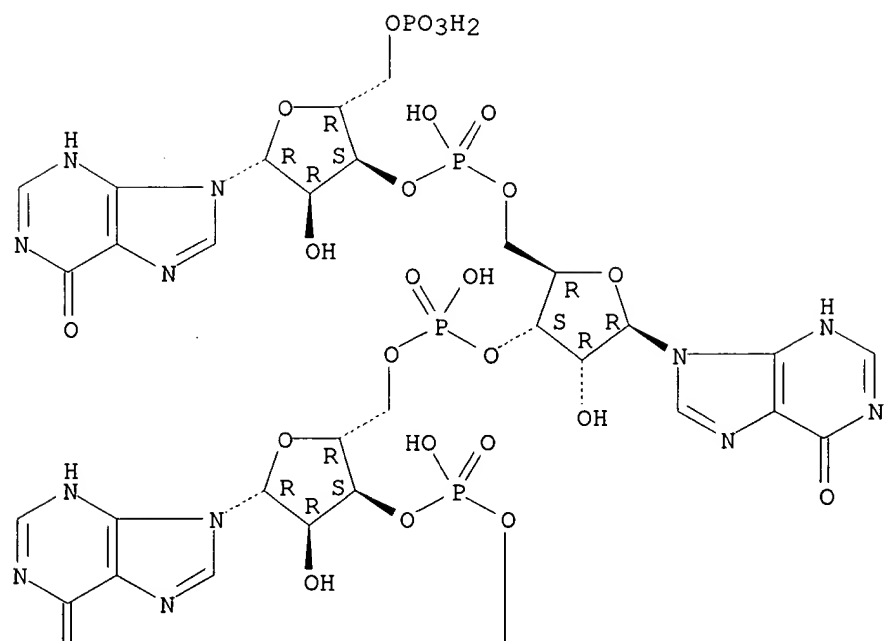
CRN 51236-38-5
CMF C110 H123 N44 O78 P11
CDES 5:ALL,B-D-RIBO

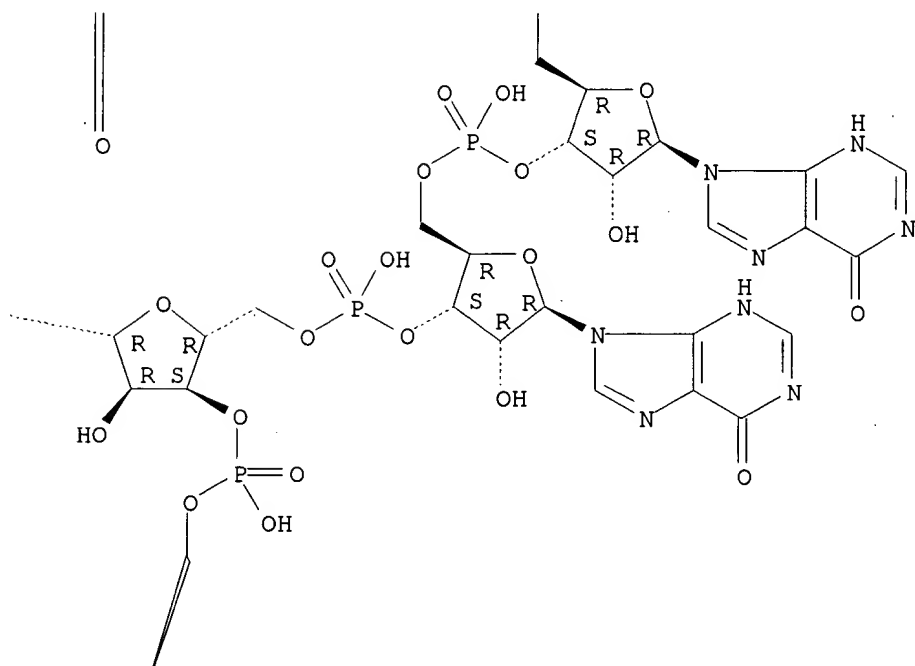
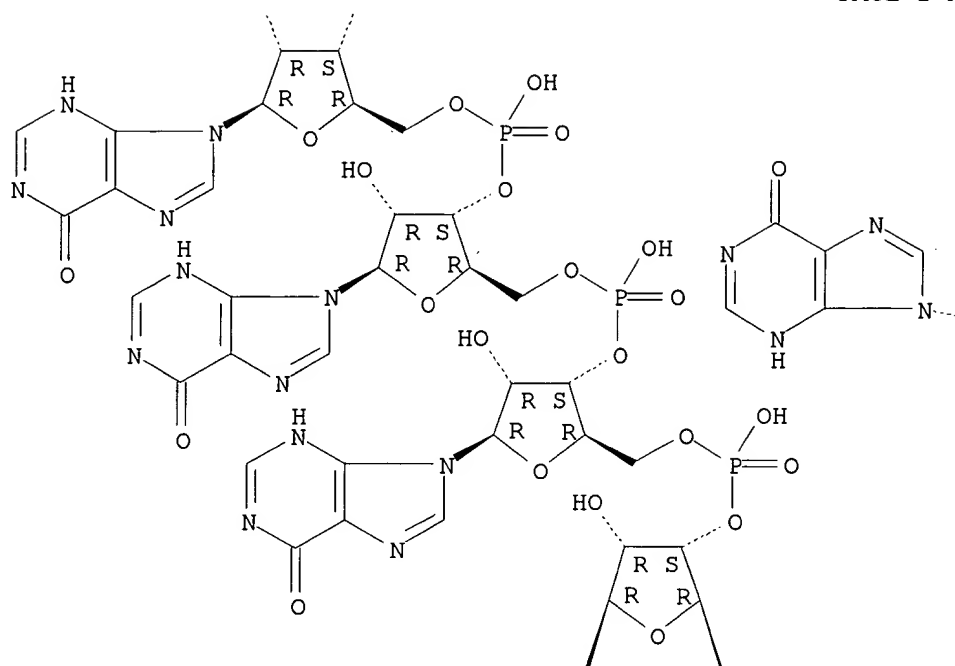
Absolute stereochemistry.

PAGE 1-A

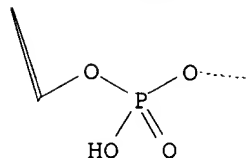
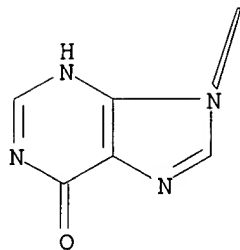


PAGE 1-B

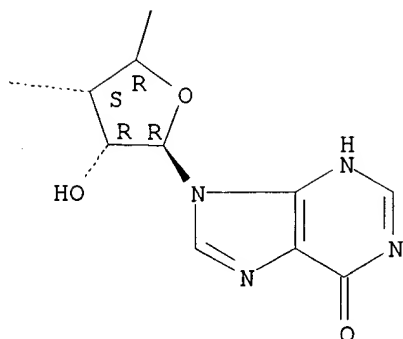




PAGE 3-A



PAGE 3-B



CM 2

CRN 30811-80-4

CMF (C9 H14 N3 O8 P)x

CCI PMS

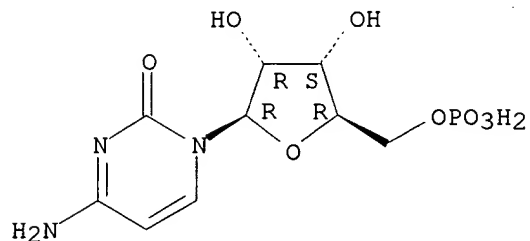
CM 3

CRN 63-37-6

CMF C9 H14 N3 O8 P

CDES 5:B-D-RIBO

Absolute stereochemistry.



RN 51288-32-5 CAPLUS

CN 5'-Inosinic acid, inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-
inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-
(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-
inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-, complex with
5'-cytidylic acid homopolymer (1:1) (9CI) (CA INDEX NAME)

CM 1

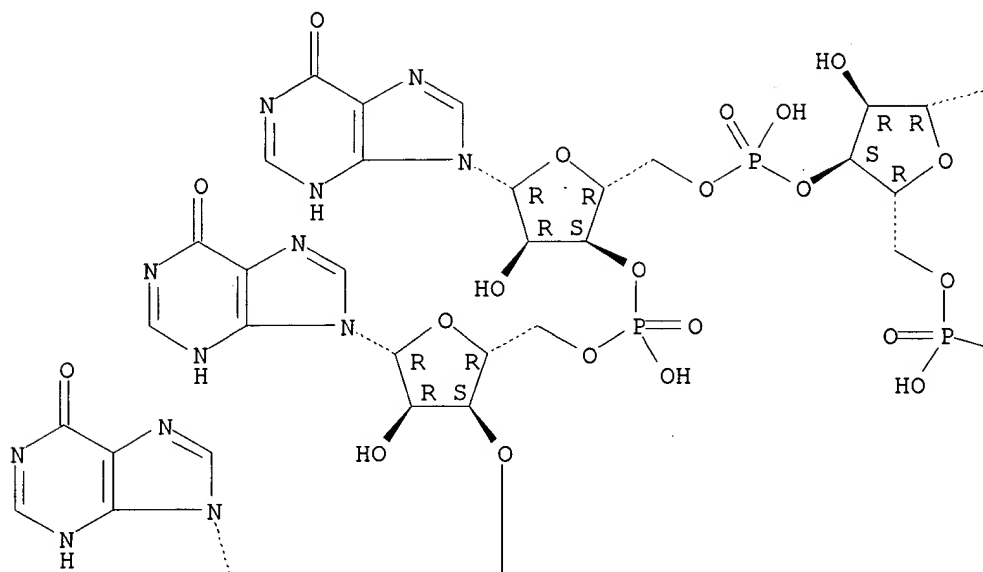
CRN 51288-31-4

CMF C100 H112 N40 O71 P10

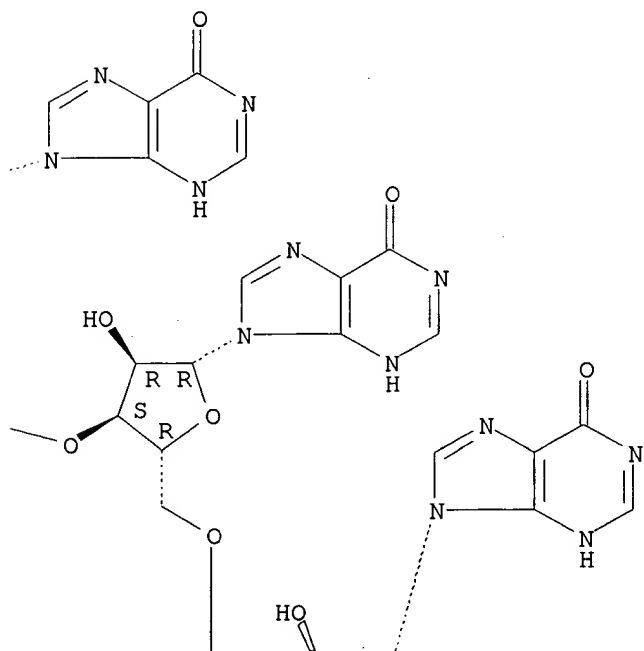
CDES 5:ALL,B-D-RIBO

Absolute stereochemistry.

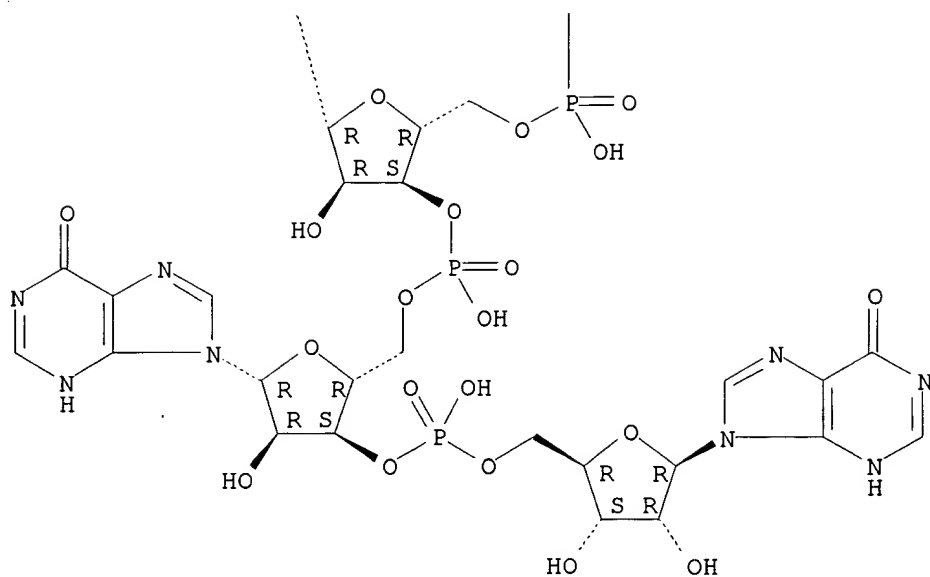
PAGE 1-A



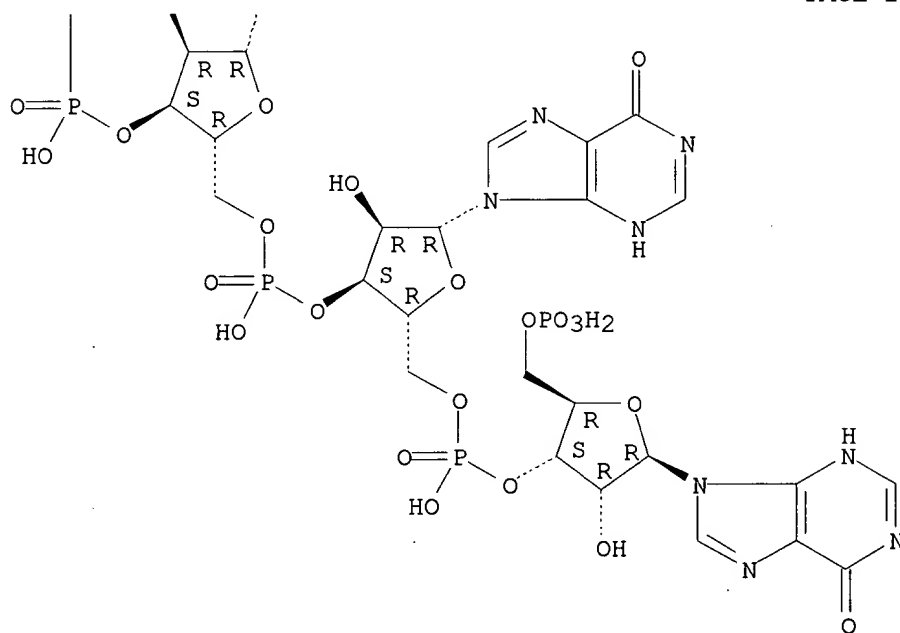
PAGE 1-B



PAGE 2-A



PAGE 2-B



CM 2

CRN 30811-80-4

CMF (C9 H14 N3 O8 P) x

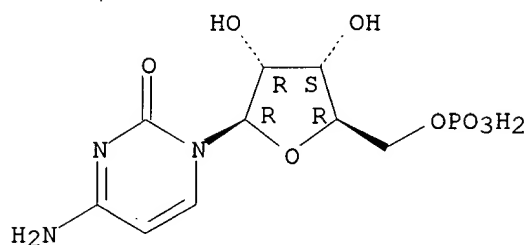
CCI PMS

CM 3

CRN 63-37-6

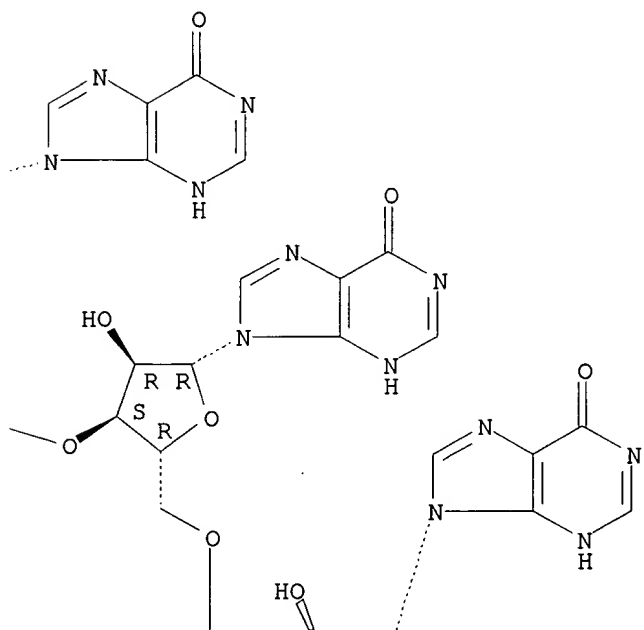
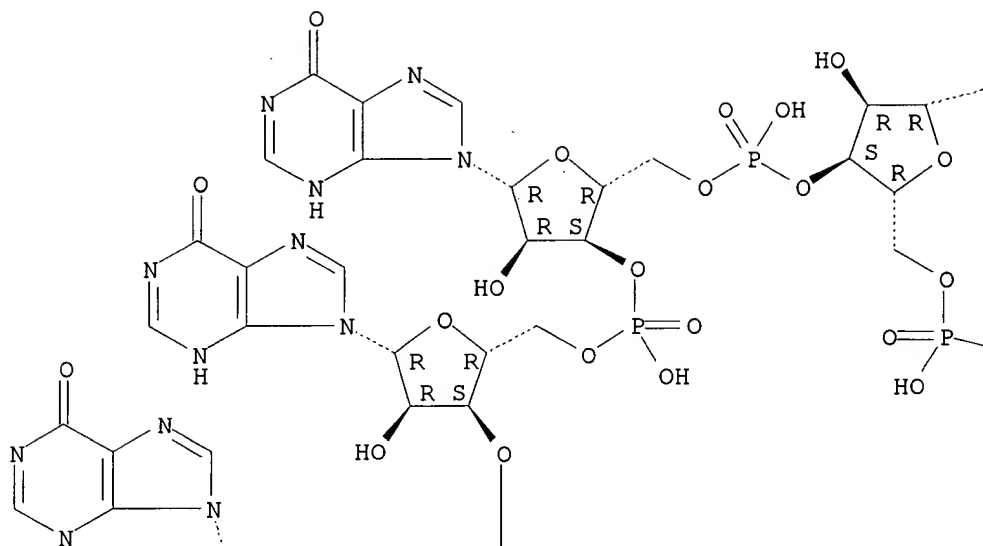
CMF C9 H14 N3 O8 P
CDES 5:B-D-RIBO

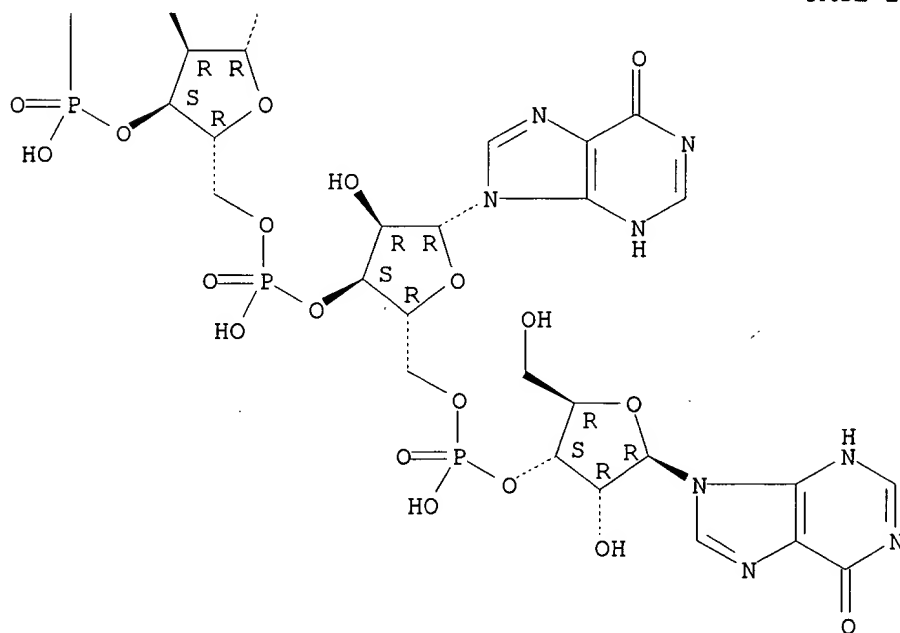
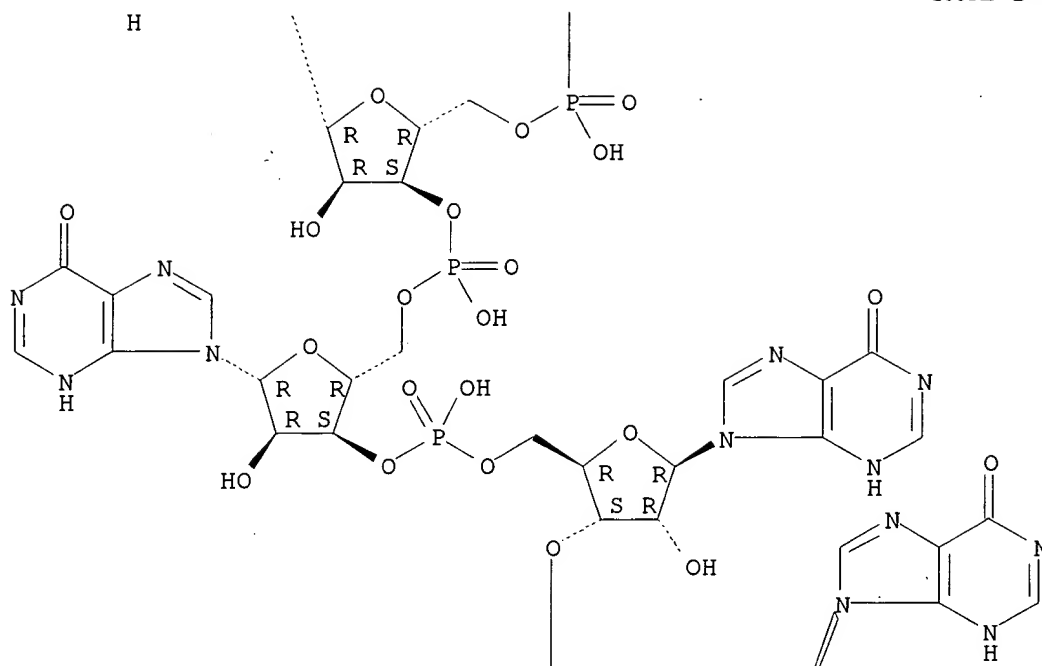
Absolute stereochemistry.

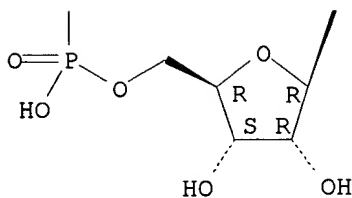


L3 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1972:540441 CAPLUS
DN 77:140441
TI Oligonucleotides. 2. Conformation of oligoinosinates. Chain-length
dependence and comparison to other oligonucleotides
AU Tazawa, Setsuko; Tazawa, Ichiro; Alderfer, James L.; Ts'o, Paul O. P.
CS Dep. Radiol. Sci., Johns Hopkins Univ., Baltimore, Md., USA
SO Biochemistry (1972), 11(19), 3544-58
CODEN: BICHAW
DT Journal
LA English
IT **39014-26-1**
RL: PRP (Properties)
(conformation of, CD and NMR in relation to)
RN 39014-26-1 CAPLUS
CN Inosine, inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.







IT 39014-25-0

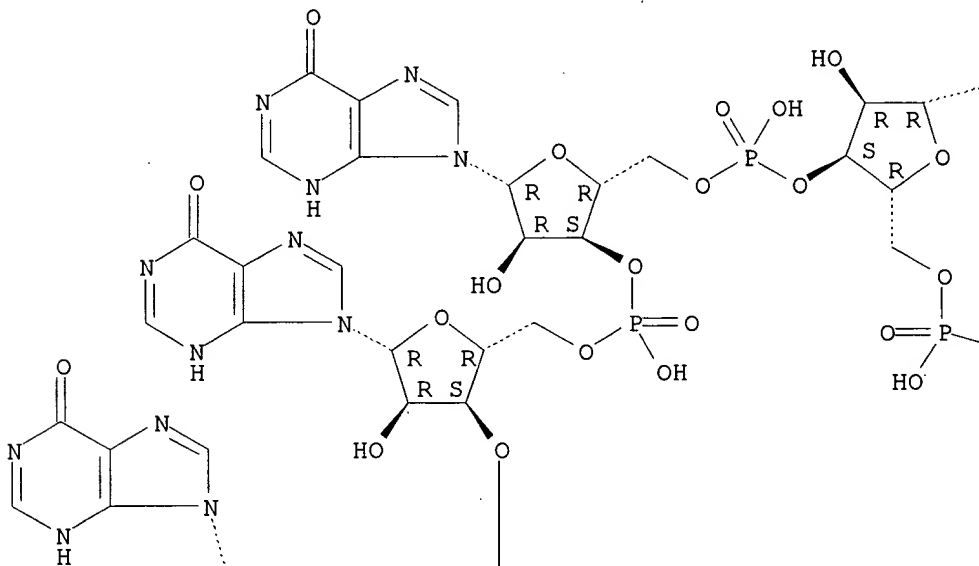
RL: RCT (Reactant)

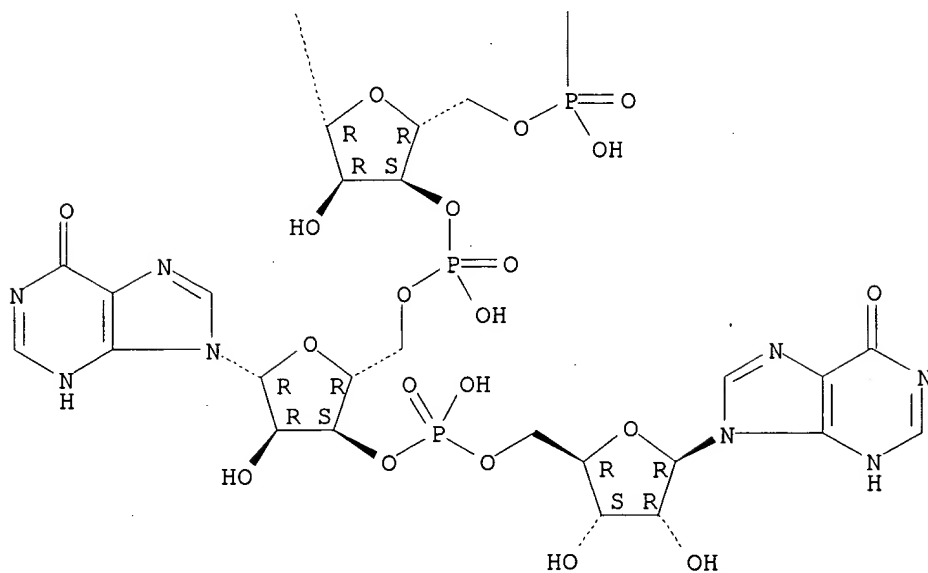
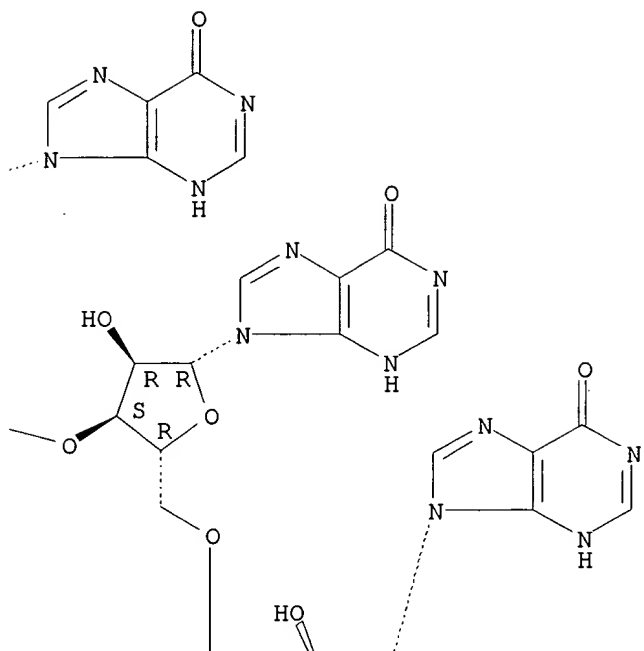
(conformation of, CD and NMR in relation to)

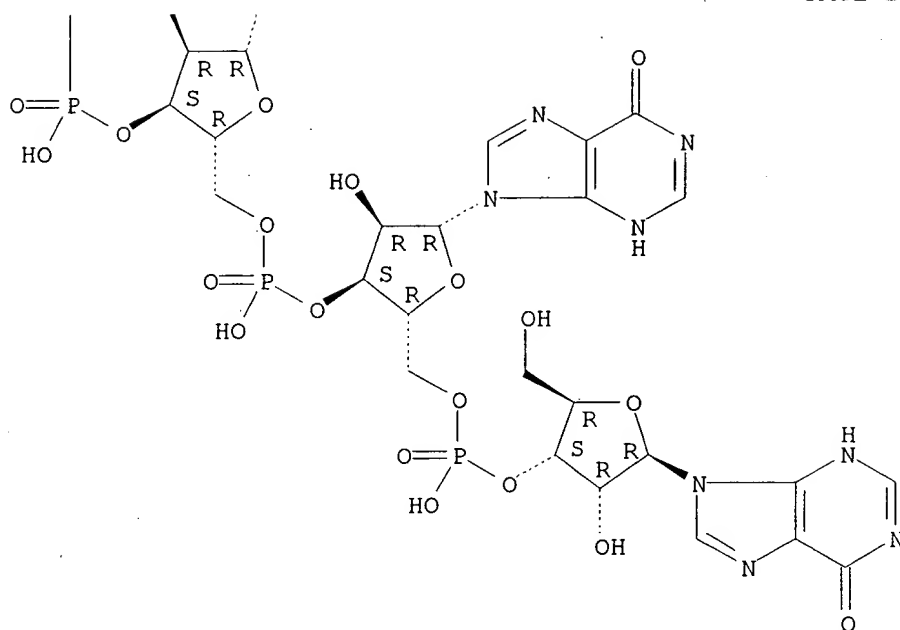
RN 39014-25-0 CAPLUS

```
CN      Inosine, inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-  
        (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-  
        inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-  
        (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')- (9CI) (CA INDEX NAME)
```

Absolute stereochemistry.







=>

L3 ANSWER 2 OF 29 CAPLUS COPYRIGHT 2002 ACS .
AN 2001:833540 CAPLUS
DN 135:369343

TI Transgenic plants with improved disease and stress resistance
incorporating genes of *Zostera marina*
IN Alberte, Randall S.; Smith, Robert D.
PA Phycogen, Inc., USA
SO PCT Int. Appl., 117 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001085971	A2	20011115	WO 2001-US15412	20010510
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 2002016980	A1	20020207	US 2001-854122	20010510
PRAI	US 2000-202529P	P	20000510		

IT 374585-05-4 374585-06-5

RL: PRP (Properties)
(unclaimed sequence; transgenic plants with improved disease and stress resistance incorporating genes of *Zostera marina*)
RN 374585-05-4 CAPLUS
CN DNA, d(Y-T-T-C-C-A-R-T-C-I-C-C-I-I-I-I-I-I-I-C-C-Y-T-T-Y-C-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 374585-06-5 CAPLUS
CN DNA, d(Y-T-T-C-C-A-R-T-C-I-C-C-I-I-I-I-I-I-I-C-C-Y-T-T-I-G-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 3 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 2001:674895 CAPLUS
DN 136:16837
TI DNA triple-helix formation at pyrimidine-purine inversion sites
AU Parel, Serge P.; Marfurt, Judith; Leumann, Christian J.
CS Department of Chemistry and Biochemistry, University of Bern, Bern, CH-3012, Switz.
SO Nucleosides, Nucleotides & Nucleic Acids (2001), 20(4-7), 411-417
CODEN: NNNAFY; ISSN: 1525-7770
PB Marcel Dekker, Inc.
DT Journal
LA English
IT 376655-82-2 376655-83-3
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(DNA triple-helix formation at pyrimidine-purine inversion sites)
RN 376655-82-2 CAPLUS
CN DNA, d(.alpha.-[1'-de(6-amino-9H-purin-9-yl)-1'-(1,6-dihydro-6-oxo-7H-purin-7-yl)](A-A-A-A-A-A-A-A-A-A)-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 376655-83-3 CAPLUS
CN DNA, d([1'-de(6-amino-9H-purin-9-yl)-1'-(1,6-dihydro-6-oxo-7H-purin-7-yl)](A-A-A-A-A-A-A-A-A-A)-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 2001:303883 CAPLUS
DN 135:242450

TI Photolithographic synthesis of high-density oligonucleotide arrays
AU McGall, Glenn H.; Fidanza, Jacqueline A.
CS Affymetrix Inc., Santa Clara, CA, USA
SO Methods in Molecular Biology (Totowa, NJ, United States) (2001), 170(DNA
Arrays), 71-101
CODEN: MMBIED; ISSN: 1064-3745
PB Humana Press Inc.
DT Journal
LA English
IT **360079-80-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(photolithog. synthesis of high-d. oligonucleotide arrays)
RN 360079-80-7 CAPLUS
CN DNA, d(I-I-I-I-I-I-I-I-I-I-I-I), 5'-[1-(6-nitro-1,3-benzodioxol-5-yl)ethyl
carbonate] (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 2001:247595 CAPLUS
DN 134:263137
TI Method and device for photothermal spectroscopic detection of molecular
recognition reactions
IN Chaton, Patrick; Poupinet, Ludovic; Ginot, Frederic; Novelli Rousseau,
Armelle
PA Commissariat a l'nergie Atomique, Fr.; Biomerieux S. A.
SO PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001023867	A1	20010405	WO 2000-FR2703	20000929
	W: CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2799281	A1	20010406	FR 1999-12229	19990930
	FR 2799281	B1	20020426		
	EP 1216411	A1	20020626	EP 2000-966234	20000929
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
PRAI	FR 1999-12229	A	19990930		
	WO 2000-FR2703	W	20000929		
IT	331883-17-1				
	RL: PRP (Properties)				
	(unclaimed sequence; method and device for photothermal spectroscopic detection of mol. recognition reactions)				
RN	331883-17-1 CAPLUS				
CN	DNA, d(C-A-G-A-G-G-C-G-I-G-I-I-I-C-I-G-T-G) (9CI) (CA INDEX NAME)				

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 2000:679047 CAPLUS
DN 134:38384
TI DNA-Templated Formation of a Helical Cyanine Dye J-Aggregate
AU Wang, Miaomiao; Silva, Gloria L.; Armitage, Bruce A.
CS Department of Chemistry, Carnegie Mellon University, Pittsburgh, PA,
15213-3890, USA
SO Journal of the American Chemical Society (2000), 122(41), 9977-9986
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
IT **312975-85-2**

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 9 OF 29 CAPLUS COPYRIGHT 2002 ACS

DN 129:226614

IN Furusako, Shoji; Horisawa, Yoshifumi; Kusuyama, Takeshi

PA Mochida Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 205 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PT WO 9839438 A1 19980911 WO 1998-JP953 19980309

W: CA, JP, KR, US

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

EP 911400 A1 19990428 EP 1998-905810 19980309

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, FI

US 6251873	B1	20010626	US 1998-180437	19981106
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PRAI JP 1997-53578 A 19970307

WO 1998-JP953 W 19980309

IT 212699-14-4P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence of antisense oligonucleotide; antisense oligonucleotides targeting mRNA of human CD14 antigen for clin. applications)

RN 212699-14-4 CAPLUS

CN DNA, d(I-I-I-I-C-I-C-I-C-G-C-T-C-C-A-T-G-G-T-C-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 10 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1998:275256 CAPLUS

DN 129:13795

TI The DNA Binding Domain of the Human c-Abl Tyrosine Kinase Preferentially Binds to DNA Sequences Containing an AAC Motif and to Distorted DNA Structures

AU David-Cordonnier, Marie-Helene; Hamdane, Malika; Bailly, Christian;
D'Halluin, Jean-Claude

CS INSERM U 124 Onco-hématologie Moléculaire, Institut de Recherches sur le
Cancer de Lille, Lille, 59045, Fr.

SO Biochemistry (1998), 37(17), 6065-6076

CODEN: BICHAW; ISSN: 0006-2960

PB American Chemical Society

DT Journal

LA English

IT 207623-48-1

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(binding; DNA-binding domain of the human c-Abl tyrosine kinase preferentially binds to DNA sequences contg. an AAC motif and to distorted DNA structures)

RN 207623-48-1 CAPLUS

CN DNA, d(C-A-C-G-C-A-G-C-T-G-G-G-C-I-I-I-I-I-I-C-I-I-C-I-I-I-A-G-A-G-C-G-C-T-C-G-C-C), complex with DNA d(G-G-C-G-A-G-C-G-C-T-C-T-T-C-C-G-C-C-C-C-C-C-G-C-C-C-A-G-C-T-G-C-G-T-G) (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 11 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1997:761687 CAPLUS

DN 128:58266

TI Fingerprinting bacterial strains using repetitive DNA sequence amplification

IN Lupski, James R.; Versalovic, James; Koeuth, Thearith

PA Baylor College of Medicine, USA

SO U.S., 47 pp., Cont.-in-part of U.S. Ser. No. 781,424, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5691136	A	19971125	US 1993-111077	19930824
	ES 2152933	T3	20010216	ES 1992-923440	19921021
	US 5523217	A	19960604	US 1994-248848	19940525
PRAI	US 1991-781424	B2	19911023		

IT **148999-14-8 148999-15-9 148999-27-3**
200220-98-0

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(PCR primer for REP (repetitive extragenic palindromic element);
fingerprinting bacterial strains using repetitive DNA sequence
amplification)

RN 148999-14-8 CAPLUS

CN DNA, d(I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-G-I-C-A-T-C-I-G-G-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 148999-15-9 CAPLUS

CN DNA, d(A-T-A-A-G-I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-G-I-C-A-T-C-I-G-G-C) (9CI)
(CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 148999-27-3 CAPLUS

CN DNA, d(C-G-I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-T-T-A-T-C-I-G-G-C-C-T-A-C) (9CI)
(CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 200220-98-0 CAPLUS

CN DNA, d(G-C-C-I-G-A-T-G-I-C-G-I-C-G-I-I-I-I-I-I-I-I-C-G-I-C-T-T-A-T-C-I-G-G-C-C-T-A-C) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2002 ACS

AN 1997:513501 CAPLUS

DN 127:190989

TI Preparation of N-alkylthiopurine-containing oligoribonucleotides as virucides

IN Meyer, Rich B., Jr.; Gall, Alexander A.; Broom, Arthur D.

PA Epoch Pharmaceuticals, Inc., USA

SO U.S., 20 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5652359	A	19970729	US 1993-162590	19931202
OS	MARPAT 127:190989				

IT **160967-97-5P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological

RL: BAC (Biological activity or effector, except adverse); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(anti-human immunodeficiency virus activity of novel class of thiopurine-based oligonucleotides in human cells)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

[illegible]

RNA, (mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im),
3'-[(3R-trans)-1-[[[(3.beta.)-cholest-5-en-3-yl]oxy]carbonyl]-5-
(hydroxymethyl)-3-pyrrolidinyl hydrogen phosphate](9CI) (CA INDEX NAME)

RNA, (mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im), 3'-(6-hydroxyhexyl hydrogen phosphate) (9CI) (CA
INDEX NAME)

RNA, (P-thio)(mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im), 3'-(6-hydroxyhexyl hydrogen
phosphorothioate) (9CI) (CA INDEX NAME)

RN 160968-12-7 CAPLUS

TI Use of deoxyinosine-containing primers vs degenerate primers for polymerase chain reaction based on ambiguous sequence informatio

CODEN: MCPRE6; ISSN: 0890-8508

IT 159373-78-1 159373-79-2

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    (primer; deoxyinosine-contg. primers vs degenerate primers for
    polymerase chain reaction based on ambiguous sequence information)

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CN DNA, d(C-A-I-G-I-I-A-A-A-I-I-I-I-T-I-A-I-I-G-A-I-T-G-T-G) (9CI) (CA INDEX NAME)

1958-1959
CN DNA, d(I-C-A-T-C-A-T-C-I-A-I-I-A-I-I-I-C-I-A-I-I-T-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

TI Investigations of oligodeoxyinosine for triple helix formation

SO Antisense Res. Dev. (1993), 3(3), 285-90

LA English

IT 160831-73-2

RL: PRP (Properties)

(DNA triple helix formation with oligodeoxyinosine)

RN 160831-73-2 CAPLUS

L3 ANSWER 20 OF 29 CAPLUS. COPYRIGHT 2002 ACS
AN 1992:408370 CAPLUS
DN 117:8370

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 03240795	A2	19911028	JP 1990-34498	19900215

[illegible][illegible]

L3 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1991:529735 CAPLUS
DN 115:129735

CN DNA, d(A-A-A-I-T-I-A-T-I-I-T-I-I-T-I-I-I-I-I-A-A-I-I-A-T-T-C-I-A-A-C-C-T)

(9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 22 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1991:505986 CAPLUS
DN 115:105986
TI Short therapeutic dsRNA of defined structure
IN Gillespie, David H.; Carter, William A.
PA Hem Research, Inc., USA
SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9014090	A1	19901129	WO 1989-US2172	19890519
	W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MG, MW, NO, RO, SD, SU				
	RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR,				
	NL, SE, SN, TD, TG				
	AU 8937368	A1	19901218	AU 1989-37368	19890519
	EP 473576	A1	19920311	EP 1989-906635	19890519
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04507083	T2	19921210	JP 1989-503637	19890519
	NO 9104529	A	19920414	NO 1991-4529	19911119
PRAI	WO 1989-US2172		19890519		
IT	135751-31-4 135770-06-8 135770-07-9				
	RL: BIOL (Biological study)				
	(double-stranded RNA for activation of double-stranded RNA-dependent				
	enzymes and induction of interferon)				
RN	135751-31-4 CAPLUS				
CN	RNA, (U-C-I-A-A-U-I-I-I-C-C-C-C-C-C-C-C-U-C-U-U-A-A), complex with RNA				
	(U-U-A-A-I-A-I-I-I-I-I-I-I-I-I-I-C-C-C-A-U-U-C-I-A) (1:1) (9CI) (CA INDEX				
	NAME)				

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 135770-06-8 CAPLUS
CN Inosine, uridylyl-(3'.fwdarw.5')-adenylyl-(3'.fwdarw.5')-adenylyl-
(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-, complex with
cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-
cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-
cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-
cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-
uridylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-adenosine (1:1) (9CI) (CA
INDEX NAME)

CM 1

CRN 135493-60-6
CMF C179 H201 N72 O105 P17
CCI MAN
CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 135493-24-2
CMF C136 H179 N45 O89 P14
CCI MAN
CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 135770-07-9 CAPLUS

CN Adenosine, uridylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-uridylyl-(3'.fwdarw.5')-uridylyl-(3'.fwdarw.5')-cytidylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-, complex with uridylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-adenosine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 135493-69-5
CMF C196 H225 N76 O118 P19
CCI MAN
CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 135493-65-1
CMF C184 H237 N64 O118 P19
CCI MAN
CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L3 ANSWER 23 OF 29 CAPLUS COPYRIGHT 2002 ACS
AN 1990:235780 CAPLUS
DN 112:235780
TI Preparation of oligoribonucleotides as antiviral agents for treatment of AIDS
IN Shibahara, Susumu; Morisawa, Hirokazu; Nakajima, Hideki; Yamamoto, Naoki; Mukai, Sachiko
PA Ajinomoto Co., Inc., Japan
SO Eur. Pat. Appl., 53 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 339842	A2	19891102	EP 1989-303700	19890413
	EP 339842	A3	19940309		
	EP 339842	B1	19961106		
	R: DE, FR, GB				
	JP 03128391	A2	19910531	JP 1989-64058	19890316
	JP 2976436	B2	19991110		
	EP 739899	A2	19961030	EP 1996-106543	19890413
	EP 739899	A3	19961218		
	EP 739899	B1	20010613		
	R: DE, FR, GB				
	EP 739900	A2	19961030	EP 1996-106544	19890413
	EP 739900	A3	19961218		
	EP 739900	B1	20010613		
	R: DE, FR, GB				
	EP 739901	A2	19961030	EP 1996-106545	19890413
	EP 739901	A3	19961113		
	EP 739901	B1	20011219		
	R: DE, FR, GB				
	EP 739902	A2	19961030	EP 1996-106546	19890413
	EP 739902	A3	19961218		
	EP 739902	B1	20010613		

[illegible]

inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
 (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
 inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
 (3'.fwdarw.5')-inosine, complex with 5'-cytidylic acid homopolymer (1:1)
 (9CI) (CA INDEX NAME)

CM 1

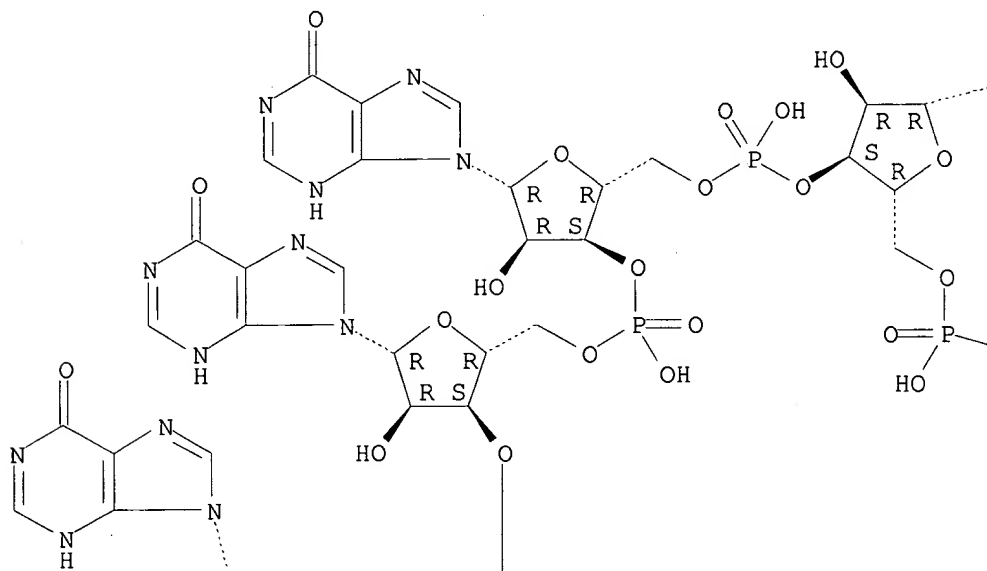
CRN 39014-25-0

CMF C100 H111 N40 O68 P9

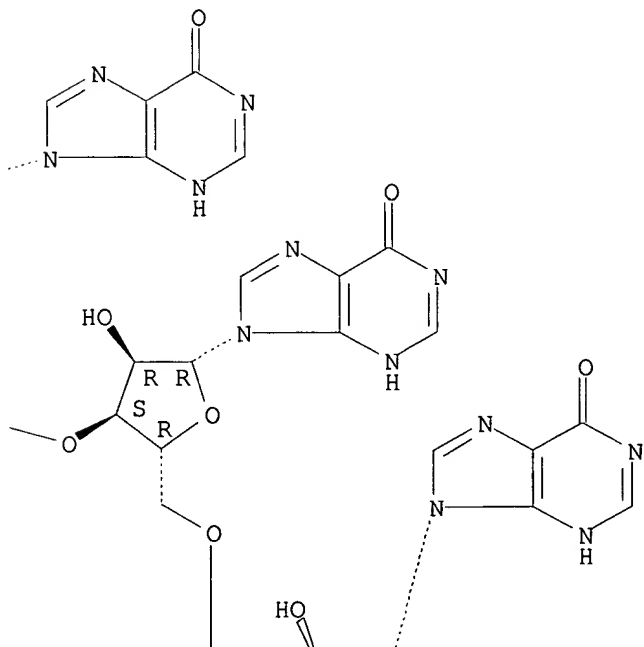
CDES 5:ALL,B-D-RIBO

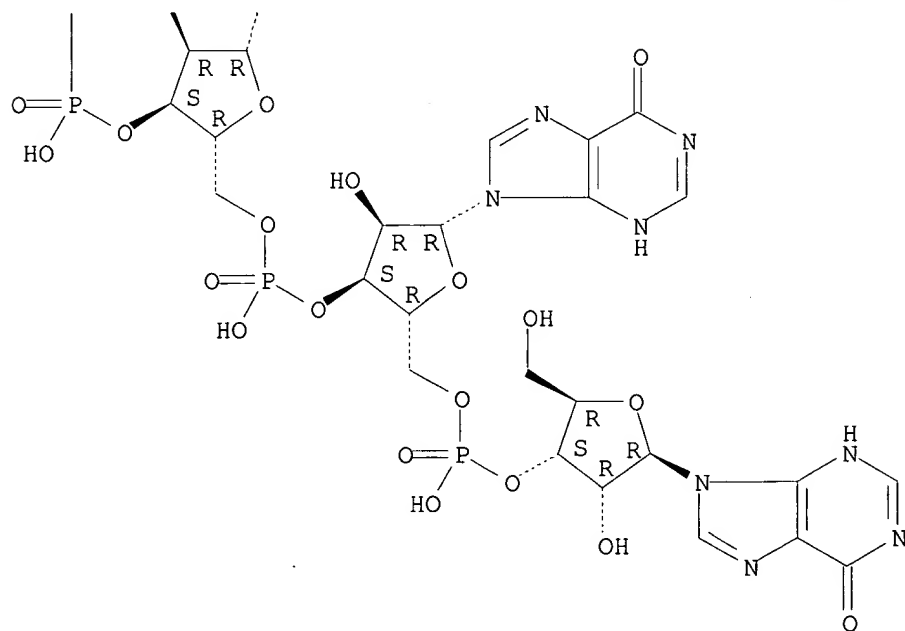
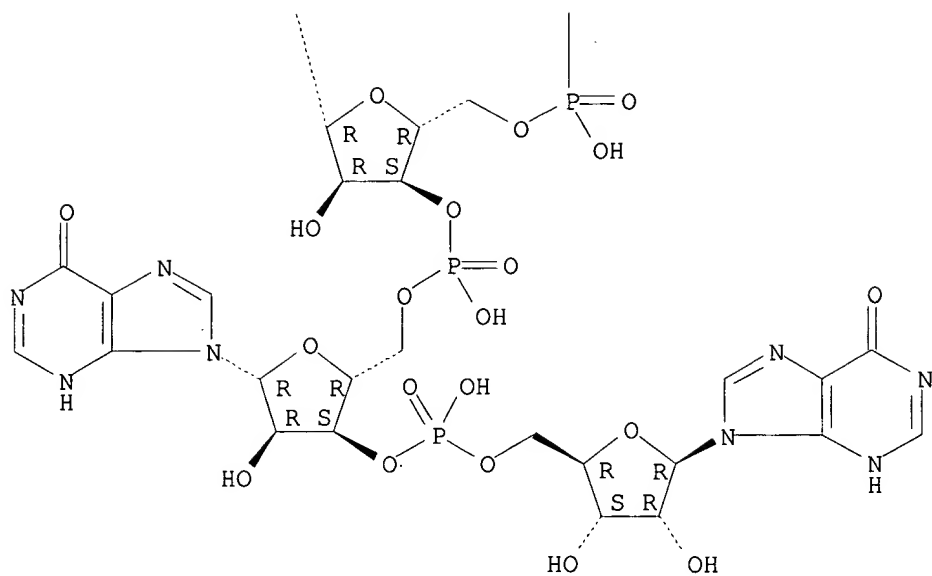
Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

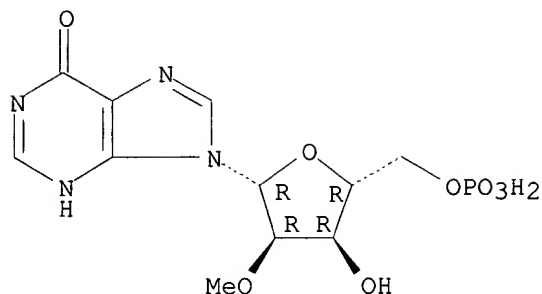




CM 2

CRN 15475-12-4
CMF C11 H15 N4 O8 P
CDES 5:B-D-RIBO

Absolute stereochemistry.



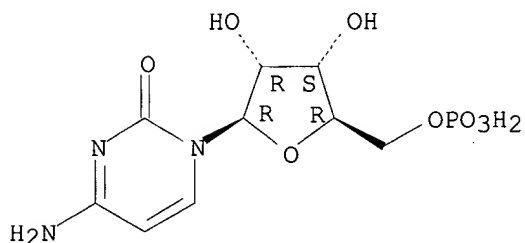
CM 3

CRN 30811-80-4
CMF (C9 H14 N3 O8 P)x
CCI PMS

CM 4

CRN 63-37-6
CMF C9 H14 N3 O8 P
CDES 5:B-D-RIBO

Absolute stereochemistry.

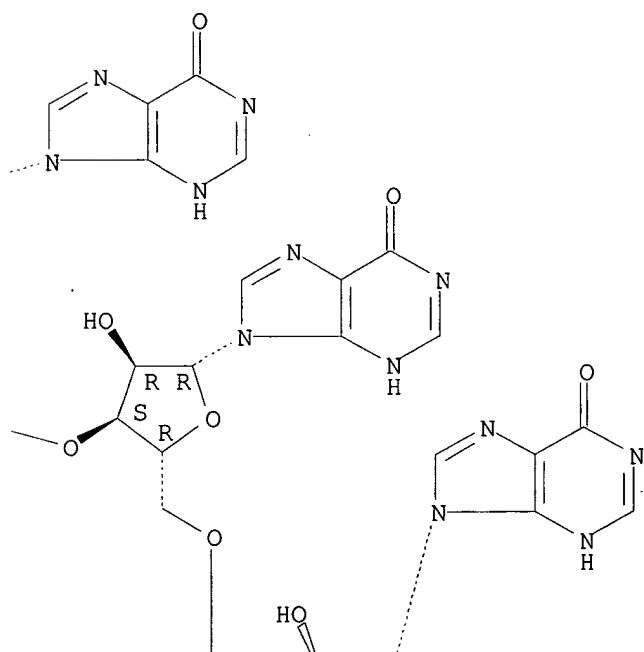
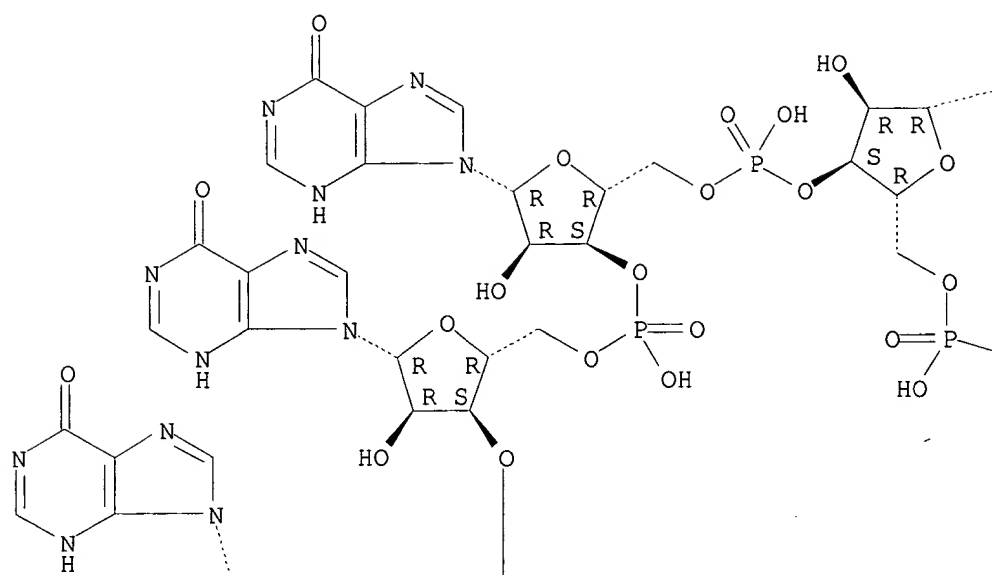


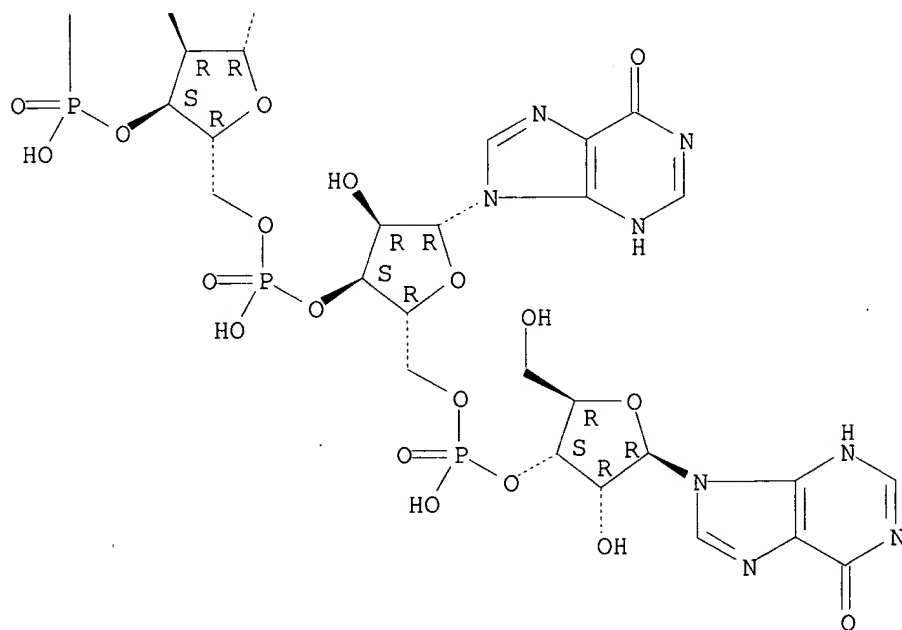
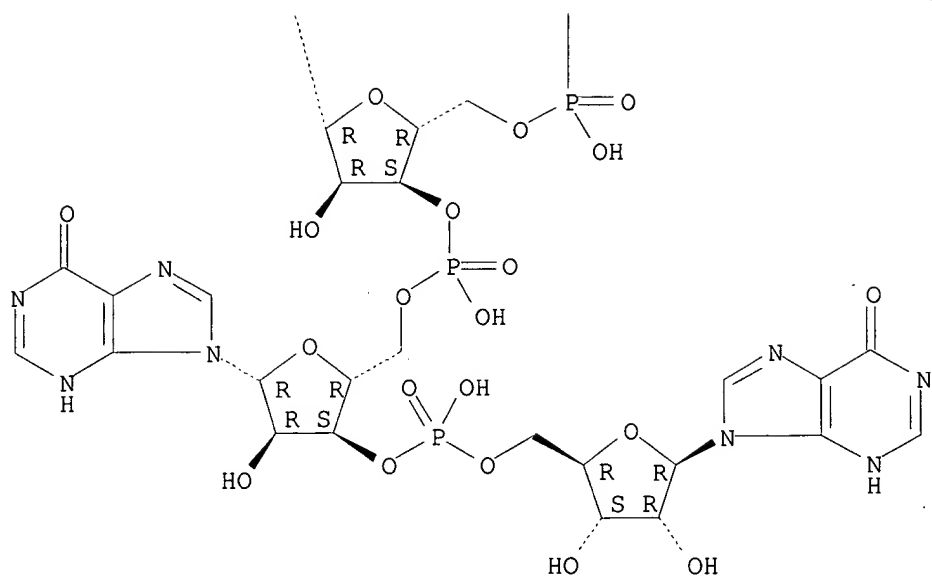
RN 79395-03-2 CAPLUS
CN 5'-Cytidylic acid, homopolymer, complex with inosinylyl-(3'.fwdarw.5')-
inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
(3'.fwdarw.5')-inosine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 39014-25-0
CMF C100 H111 N40 O68 P9
CDES 5:ALL,B-D-RIBO

Absolute stereochemistry.





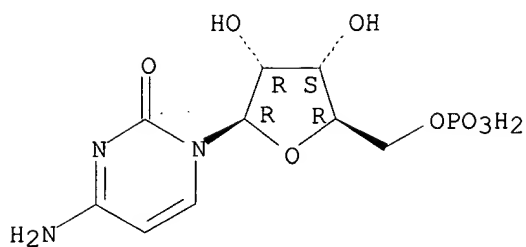
CM 2

CRN 30811-80-4
 CMF (C9 H14 N3 O8 P) x
 CCI PMS

CM 3

CRN 63-37-6
 CMF C9 H14 N3 O8 P
 CDES 5:B-D-RIBO

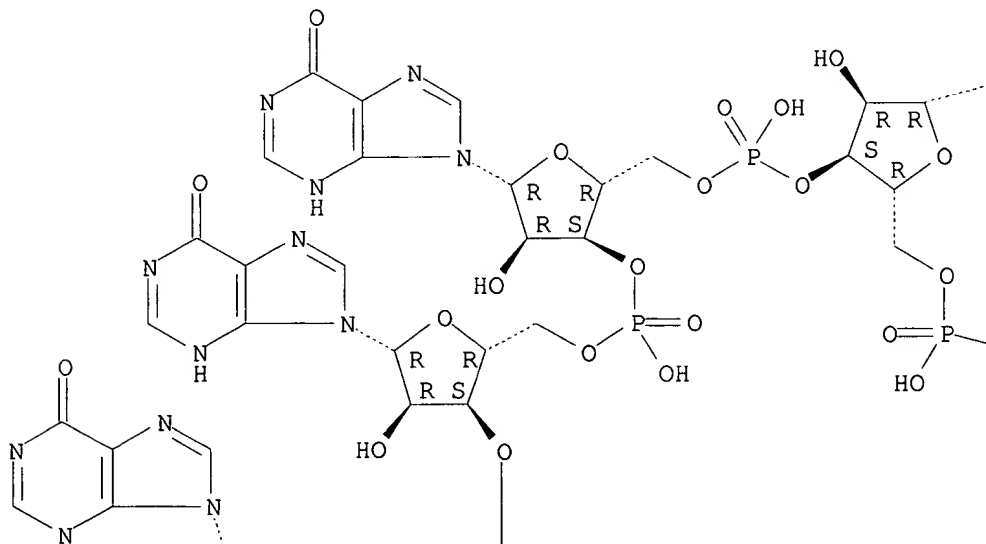
Absolute stereochemistry.

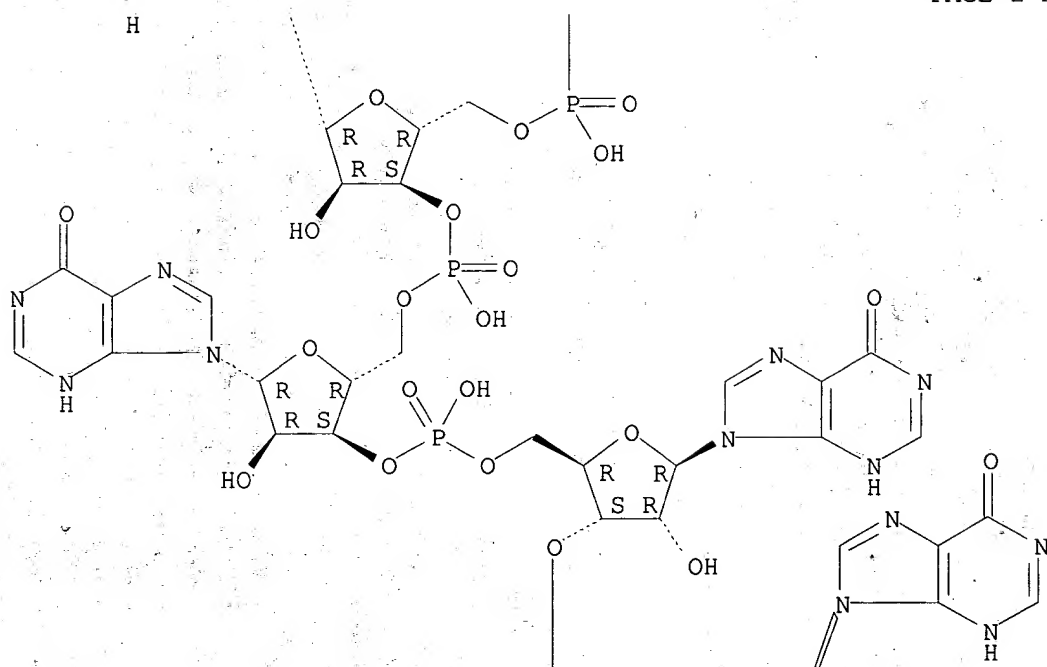
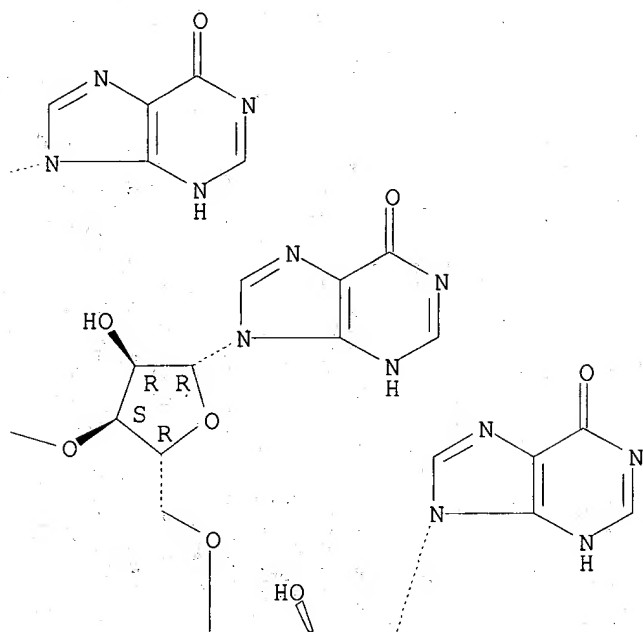


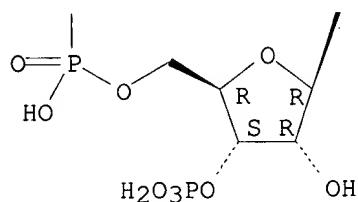
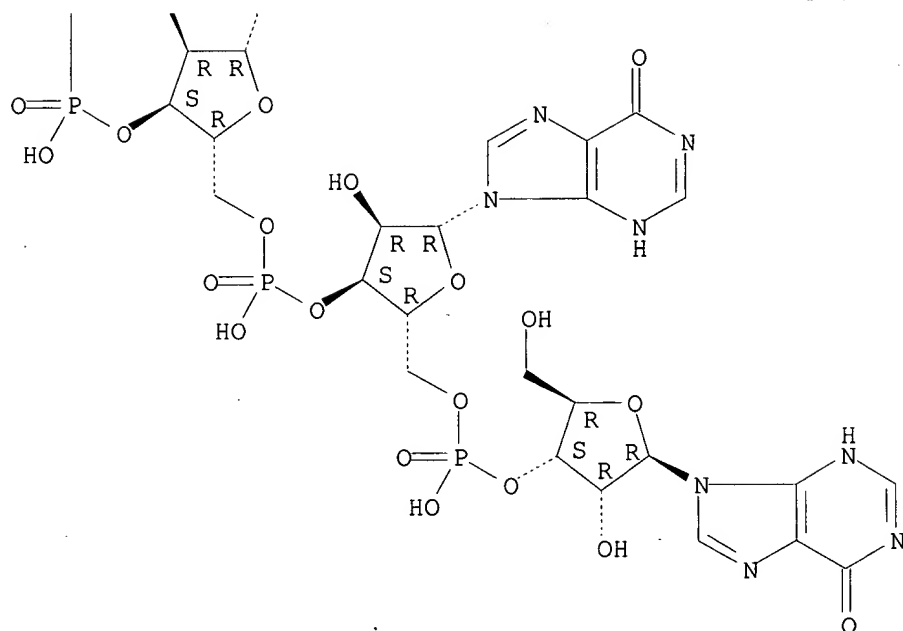
L3 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2002 ACS
 AN 1975:402601 CAPLUS
 DN 83:2601
 TI Comparative ability of RNA and DNA to prime DNA synthesis in vitro. Role of sequence, sugar, and structure of template . primer
 AU Tambllyn, Toby M.; Wells, Robert D.
 CS Coll. Agric. Life Sci., Univ. Wisconsin, Madison, Wis., USA
 SO Biochemistry (1975), 14(7), 1412-25
 CODEN: BICHAW
 DT Journal
 LA English
 IT **55512-76-0**
 RL: BIOL (Biological study)
 (DNA polymerase priming by)
 RN 55512-76-0 CAPLUS
 CN 3'-Inosinic acid, inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

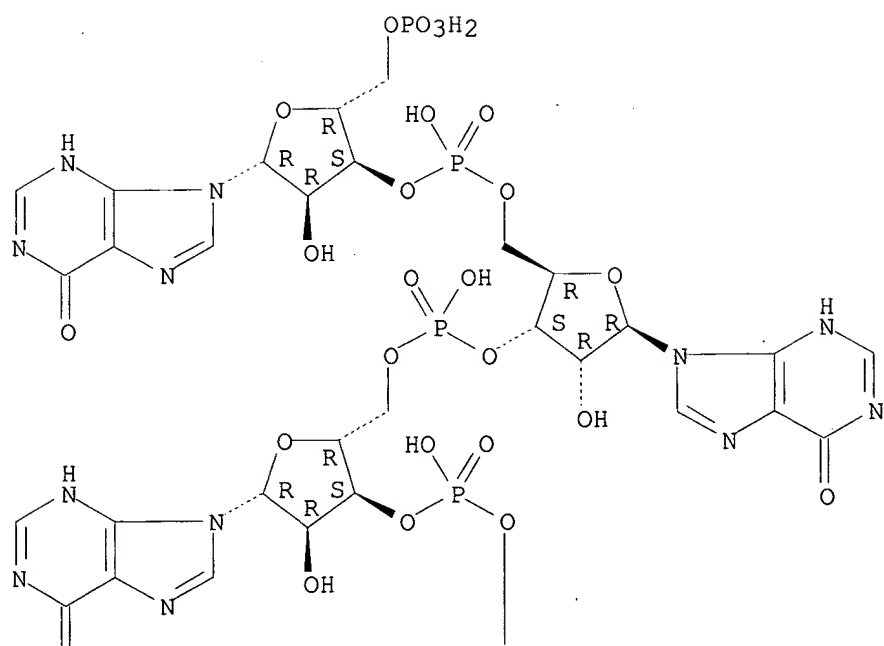


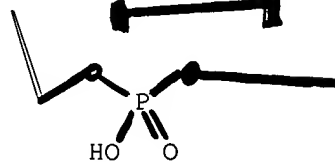
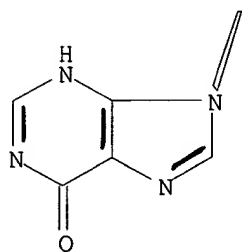
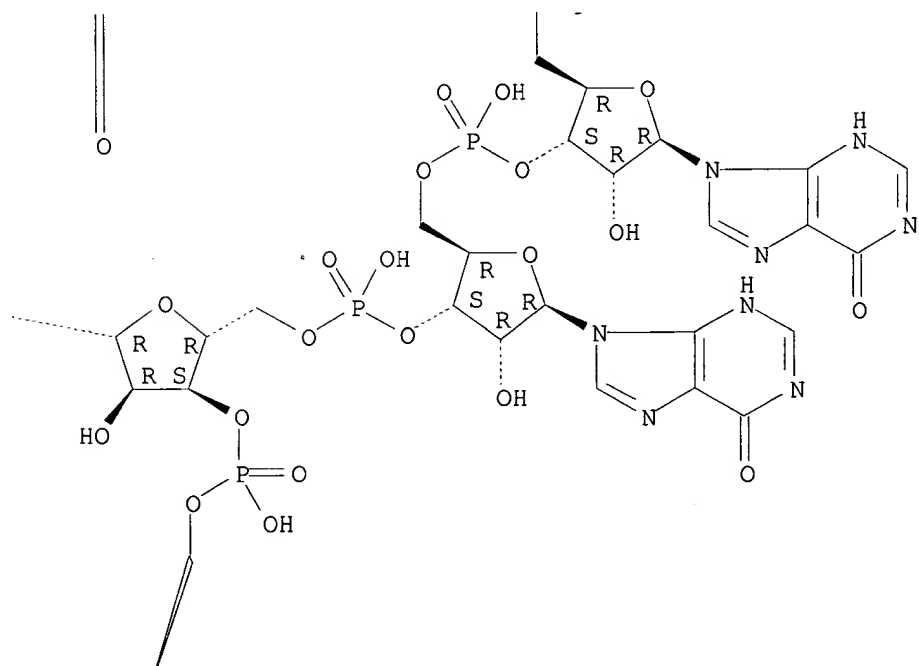
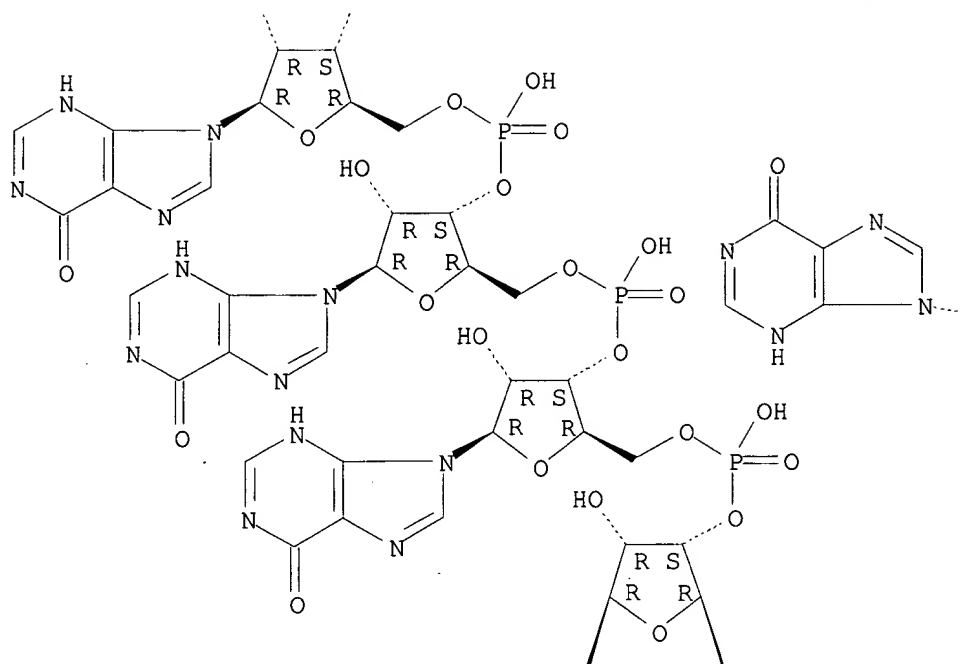


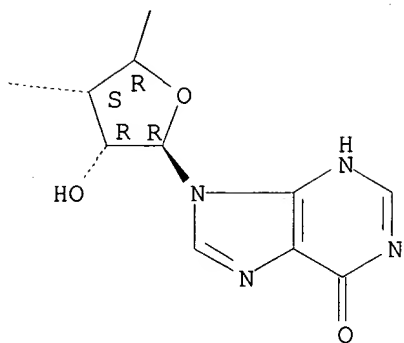


L3 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2002 ACS
 AN 1974:37419 CAPLUS
 DN 80:37419
 TI Cooperative and thermodynamic parameters for oligoinosinate-polycytidylate complexes
 AU Springgate, M. W.; Poland, Douglas
 CS Dep. Chem., Johns Hopkins Univ., Baltimore, Md., USA
 SO Biopolymers (1973), 12(10), 2241-60
 CODEN: BIPMAA
 DT Journal
 LA English
 IT **51236-39-6 51288-32-5**
 RL: PRP (Properties)
 (thermodynamic properties of)
 RN 51236-39-6 CAPLUS
 CN 5'-Inosinic acid, inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-, complex with 5'-cytidylic acid homopolymer (1:1) (9CI)
 (CA INDEX NAME)
 CM 1
 CRN 51236-38-5
 CMF C110 H123 N44 O78 P11
 CDES 5:ALL,B-D-RIBO

Absolute stereochemistry.







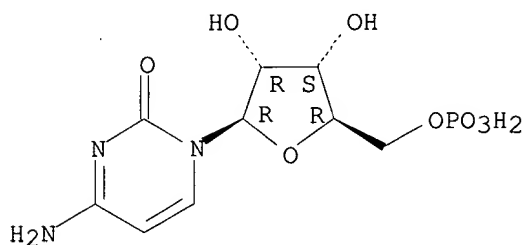
CM 2

CRN 30811-80-4
CMF (C9 H14 N3 O8 P)x
CCI PMS

CM 3

CRN 63-37-6
CMF C9 H14 N3 O8 P
CDES 5:B-D-RIBO

Absolute stereochemistry.

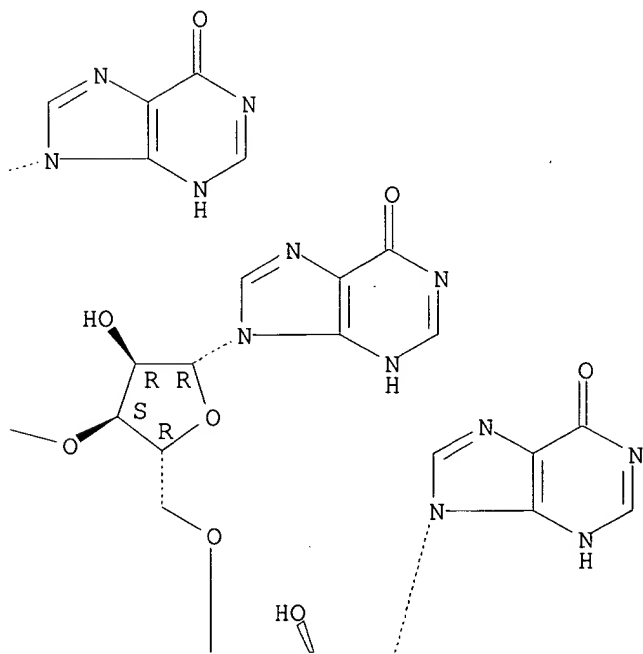
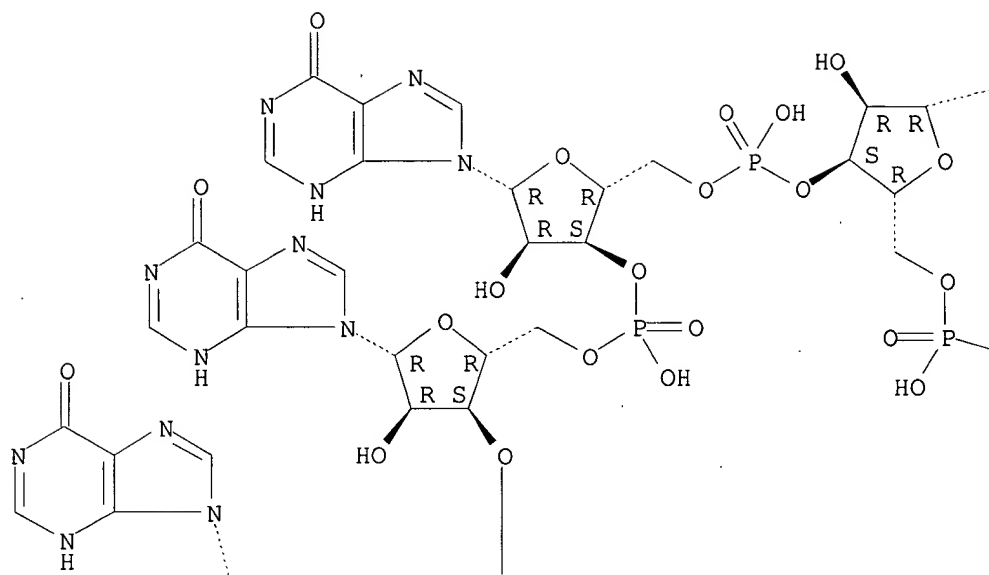


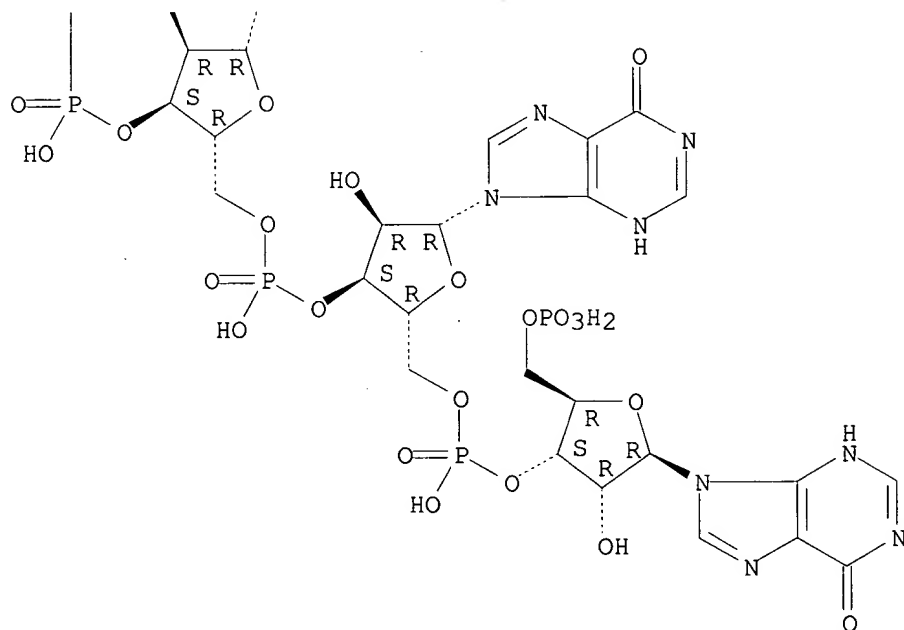
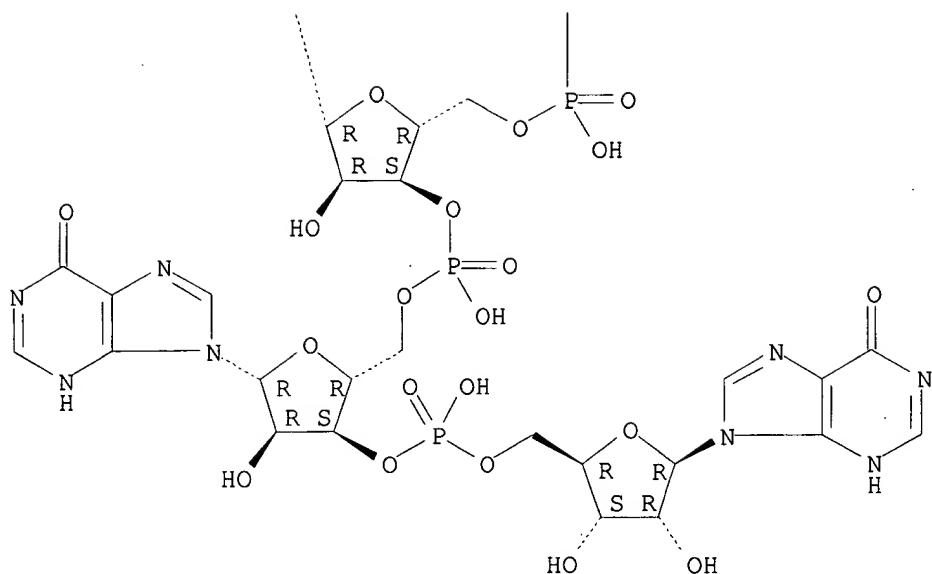
RN 51288-32-5 CAPLUS
CN 5'-Inosinic acid, inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-
inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-
(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-
inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-, complex with
5'-cytidylic acid homopolymer (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 51288-31-4
CMF C100 H112 N40 O71 P10
CDES 5:ALL,B-D-RIBO

Absolute stereochemistry.





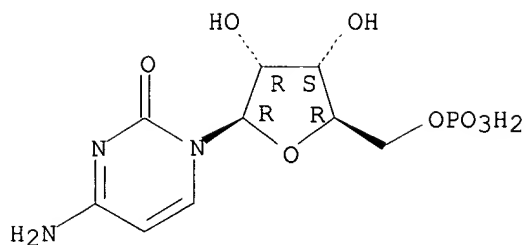
CM 2

CRN 30811-80-4
CMF (C9 H14 N3 O8 P)x
CCI PMS

CM 3

CRN 63-37-6
CMF C9 H14 N3 O8 P
CDES 5:B-D-RIBO

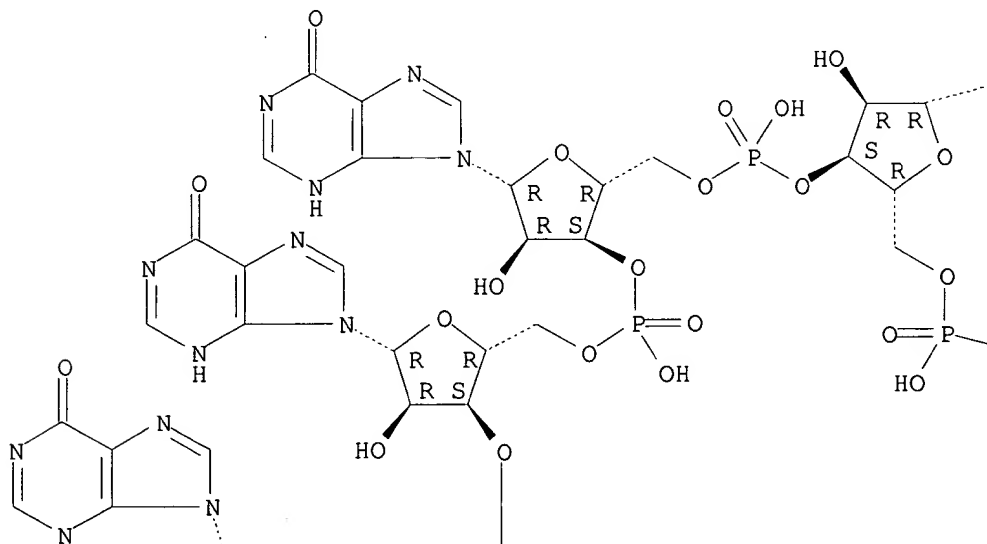
Absolute stereochemistry.

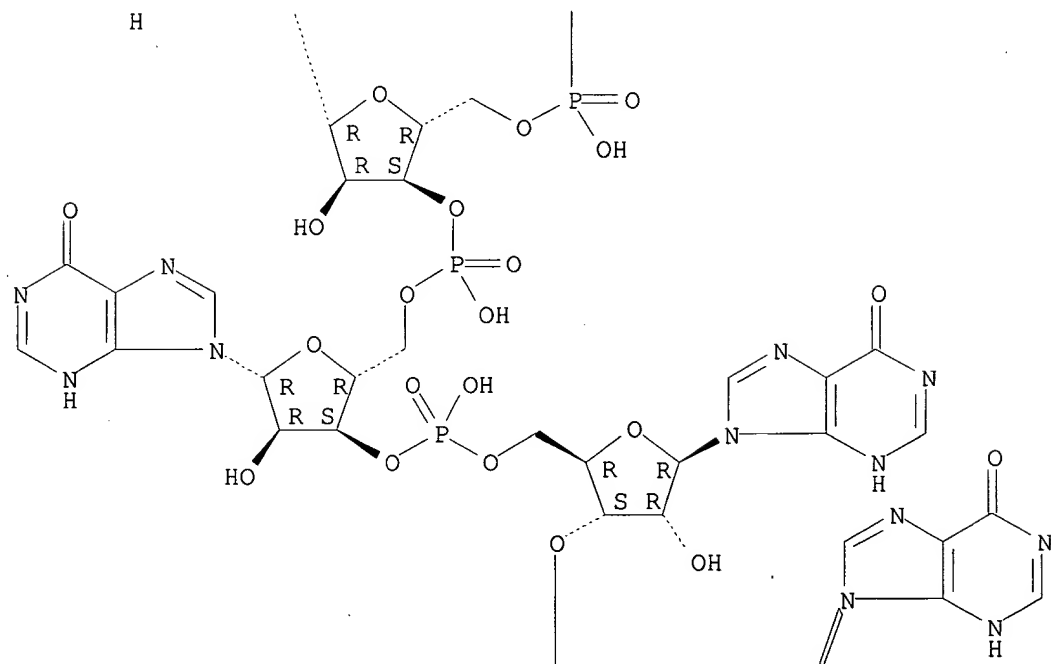
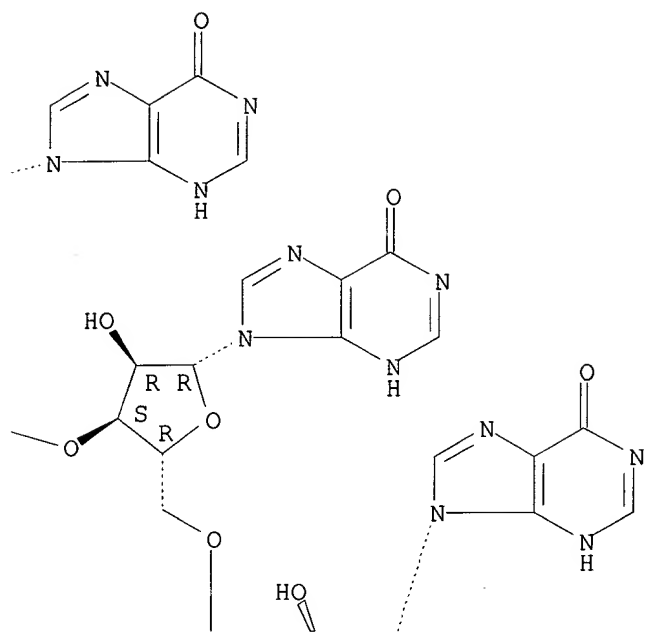


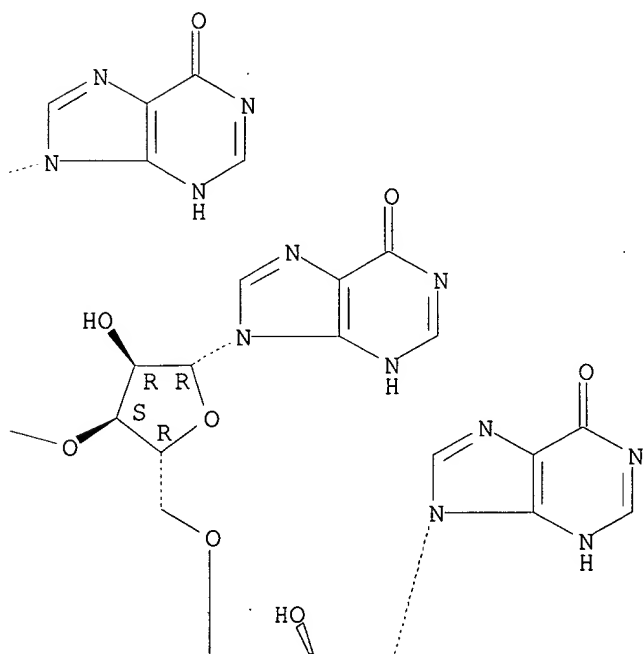
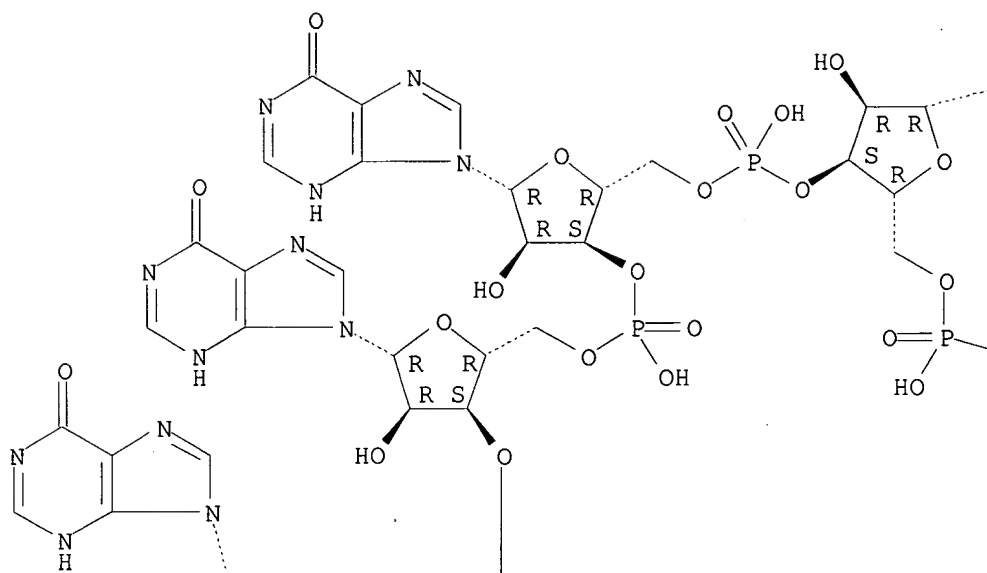
L3 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2002 ACS
 AN 1972:540441 CAPLUS
 DN 77:140441
 TI Oligonucleotides. 2. Conformation of oligoinosinates. Chain-length dependence and comparison to other oligonucleotides
 AU Tazawa, Setsuko; Tazawa, Ichiro; Alderfer, James L.; Ts'o, Paul O. P.
 CS Dep. Radiol. Sci., Johns Hopkins Univ., Baltimore, Md., USA
 SO Biochemistry (1972), 11(19), 3544-58
 CODEN: BICHAW
 DT Journal
 LA English
 IT **39014-26-1**
 RL: PRP (Properties)
 (conformation of, CD and NMR in relation to)
 RN 39014-26-1 CAPLUS
 CN Inosine, inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')- (9CI)
 (CA INDEX NAME)

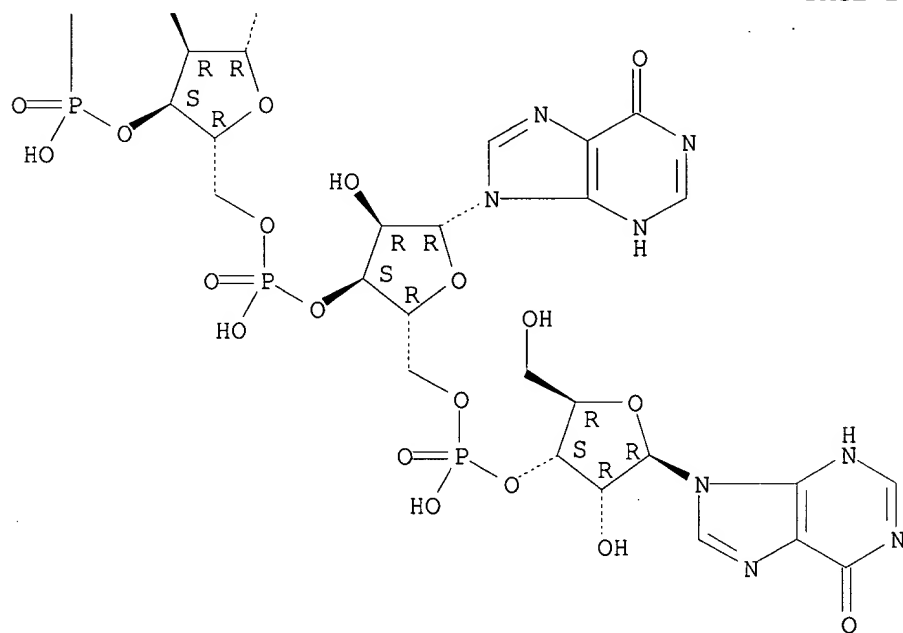
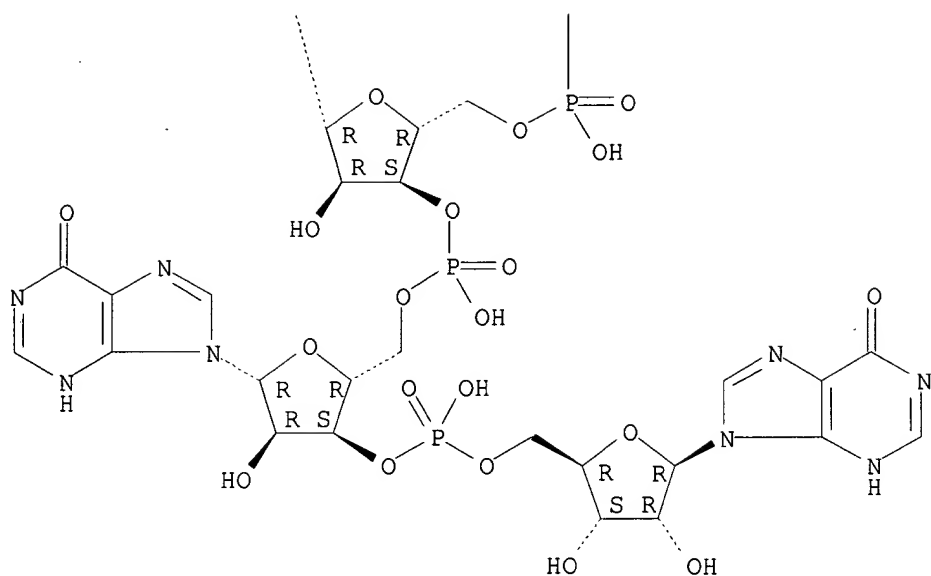
Absolute stereochemistry.

PAGE 1-A









=> FILE REGISTRY
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
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FILE 'REGISTRY' ENTERED AT 12:45:49 ON 17 JUL 2002
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STRUCTURE FILE UPDATES: 16 JUL 2002 HIGHEST RN 439075-98-6
DICTIONARY FILE UPDATES: 16 JUL 2002 HIGHEST RN 439075-98-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> S IINIINIIN/SQSN

L4 48 IINIINIIN/SQSN

=> S L4 AND 10-100/SQL

2310523 10-100/SQL

L5 46 L4 AND 10-100/SQL

=> FILE CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

31.26

200.02

FILE 'CAPLUS' ENTERED AT 12:47:10 ON 17 JUL 2002

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FILE COVERS 1907 - 17 Jul 2002 VOL 137 ISS 3

FILE LAST UPDATED: 16 Jul 2002 (20020716/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> S L5

L6 22 L5

=> D 1-22 BIB HITSTR

L6 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 2001:674895 CAPLUS

DN 136:16837

TI DNA triple-helix formation at pyrimidine-purine inversion sites

AU Parel, Serge P.; Marfurt, Judith; Leumann, Christian J.

CS Department of Chemistry and Biochemistry, University of Bern, Bern, CH-3012, Switz.

SO Nucleosides, Nucleotides & Nucleic Acids (2001), 20(4-7), 411-417

CODEN: NNNAFY; ISSN: 1525-7770

PB Marcel Dekker, Inc.

DT Journal

LA English

IT **376655-82-2 376655-83-3**

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(DNA triple-helix formation at pyrimidine-purine inversion sites)

RN 376655-82-2 CAPLUS

CN DNA, d(.alpha.-[1'-de(6-amino-9H-purin-9-yl)-1'-(1,6-dihydro-6-oxo-7H-

purin-7-yl)](A-A-A-A-A-A-A-A-A-A)-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 376655-83-3 CAPLUS

CN DNA, d([1'-de(6-amino-9H-purin-9-yl)-1'-(1,6-dihydro-6-oxo-7H-purin-7-yl)](A-A-A-A-A-A-A-A-A-A)-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 2001:303883 CAPLUS

DN 135:242450

TI Photolithographic synthesis of high-density oligonucleotide arrays

AU McGall, Glenn H.; Fidanza, Jacqueline A.

CS Affymetrix Inc., Santa Clara, CA, USA

SO Methods in Molecular Biology (Totowa, NJ, United States) (2001), 170(DNA Arrays), 71-101

CODEN: MMBIED; ISSN: 1064-3745

PB Humana Press Inc.

DT Journal

LA English

IT **360079-80-7P**

RL: SPN (Synthetic preparation); PREP (Preparation)

(photolithog. synthesis of high-d. oligonucleotide arrays)

RN 360079-80-7 CAPLUS

CN DNA, d(I-I-I-I-I-I-I-I-I-I), 5'-[1-(6-nitro-1,3-benzodioxol-5-yl)ethyl carbonate] (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 2001:101175 CAPLUS

DN 134:142307

TI Octopus tachykinin, cDNA, recombinant expression, and drug/agrochemical use

IN Minakata, Hiroyuki; Iwakoshi, Eiko; Kuroda, Kyoko

PA Suntory Limited., Japan

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001009171	A1	20010208	WO 2000-JP4944	20000725
	W: AU, CA, CN, KR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2001103979	A2	20010417	JP 2000-86236	20000327
	EP 1213297	A1	20020612	EP 2000-946483	20000725
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
PRAI	JP 1999-216922	A	19990730		
	JP 2000-86236	A	20000327		
	WO 2000-JP4944	W	20000725		

IT **323222-88-4**, 5: PN: WO0109171 PAGE: 16 unclaimed DNA

RL: PRP (Properties)

(unclaimed nucleotide sequence; octopus tachykinin, cDNA, recombinant expression, and drug/agrochem. use)

RN 323222-88-4 CAPLUS

CN 5: PN: WO0109171 PAGE: 16 unclaimed DNA (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE.FORMAT

L6 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 1998:275256 CAPLUS

DN 129:13795

TI The DNA Binding Domain of the Human c-Abl Tyrosine Kinase Preferentially Binds to DNA Sequences Containing an AAC Motif and to Distorted DNA Structures

AU David-Cordonnier, Marie-Helene; Hamdane, Malika; Bailly, Christian;
D'Halluin, Jean-Claude

CS INSERM U 124 Onco-hématologie Moléculaire, Institut de Recherches sur le
Cancer de Lille, Lille, 59045, Fr.

SO Biochemistry (1998), 37(17), 6065-6076

CODEN: BICHAW; ISSN: 0006-2960

PB American Chemical Society

DT Journal

LA English

IT 207623-48-1

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(binding; DNA-binding domain of the human c-Abl tyrosine kinase preferentially binds to DNA sequences contg. an AAC motif and to distorted DNA structures)

RN 207623-48-1 CAPLUS

CN DNA, d(C-A-C-G-C-A-G-C-T-G-G-G-C-I-I-I-I-I-I-C-I-I-C-I-I-I-A-G-A-G-C-G-C-T-C-G-C-C), complex with DNA d(G-G-C-G-A-G-C-G-C-T-C-T-T-C-C-G-C-C-G-C-C-C-C-C-C-G-C-C-C-A-G-C-T-G-C-G-T-G) (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L6 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 1997:513501 CAPLUS

DN 127:190989

TI Preparation of N-alkylthiopurine-containing oligoribonucleotides as virucides

IN Meyer, Rich B., Jr.; Gall, Alexander A.; Broom, Arthur D.

PA Epoch Pharmaceuticals, Inc., USA

SO U.S., 20 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

IT 160967-97-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of N-alkylthiopurine-contg. oligoribonucleotides as virucides)

RN 160967-97-5 CAPLUS

CN RNA, (mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im), 3'-(6-hydroxyhexyl
hydrogen phosphate) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L6 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 1997:324847 CAPLUS

DN 127:50915

TI The Efficiency of Light-Directed Synthesis of DNA Arrays on Glass Substrates

AU McGall, Glenn H.; Barone, Anthony D.; Diggelmann, Martin; Fodor, Stephen
P. A.; Gentalen, Erik; Ngo, Nam

CS Affymetrix Inc., Santa Clara, CA, 95051, USA

SO Journal of the American Chemical Society (1997), 119(22), 5081-5090

CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

IT 190977-46-9P

RL: SPN (Synthetic preparation); PREP (Preparation)

(efficiency of light-directed synthesis of DNA arrays on glass substrates)

RN 190977-46-9 CAPLUS

CN DNA, d(I-I-I-I-I-I-I-I-I-I-I-I) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L6 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 1996:485943 CAPLUS

DN 125:188623

TI Binding Studies of a Triple-Helical Peptide Model of Macrophage Scavenger Receptor to Tetraplex Nucleic Acids

AU Mielęwczyk, Sławomir S.; Anachi, Rajini Balakrishnan; Breslauer, Kenneth J.; Brodsky, Barbara

CS Department of Chemistry, Rutgers State University of New Jersey,
Piscataway, NJ, 08855, USA

SO Biochemistry (1996), 35(35), 11396-11402

CODEN: BICHAW; ISSN: 0006-2960

DT Journal

LA English

IT 180617-49-6

RL: BPR (Biological process); PRP (Properties); BIOL (Biological study); PROC (Process)

(tetraplex; binding studies of a triple-helical peptide model of macrophage scavenger receptor to tetraplex nucleic acids)

RN 180617-49-6 CAPLUS

CN DNA, d(T-I-I-I-I-I-I-I-I-I-I-I-T) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L6 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 1995:274084 CAPLUS

DN 122:122509

TI Anti-human immunodeficiency virus activity of a novel class of
 thiopurine-based oligonucleotides

AU Meyer, Rich B., Jr.; Gall, Alexander A.; Gorn, Vladimir V.

CS MicroProbe Corp., Bothell, WA, 98021, USA

SO ACS Symp. Ser. (1994), 580 (Carbohydrate Modifications in Antisense Research), 199-210

CODEN: ACSMC8; ISSN: 0097-6156

DT Journal

LA English

IT 160967-97-5P 160967-98-6P 160967-99-7P

160968-00-3P 160968-01-4P 160968-02-5P

160968-03-6P 160968-04-7P 160968-06-9P

160968-08-1P 160968-09-2P 160968-10-5P

160968-11-6P 160968-12-7P

RL: BAC (Biological activity or effector, except adverse); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(anti-human immunodeficiency virus activity of novel class of thiopurine-based oligonucleotides in human cells)

RN 160967-97-5 CAPLUS

CN RNA, (mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im), 3'-(6-hydroxyhexyl
hydrogen phosphate) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 160967-98-6 CAPLUS

[illegible]

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 160967-99-7 CAPLUS

CN RNA, (P-thio)(mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im), 3'-(6-hydroxyhexyl hydrogen phosphorothioate) (9CI) (CA
INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 160968-00-3 CAPLUS

CN RNA, (P-thio) (mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im), 3'-(6-hydroxyhexyl hydrogen
phosphorothioate) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 160968-01-4 CAPLUS

CN RNA, (P-thio)(mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
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mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
3'-(6-hydroxyhexyl hydrogen phosphorothioate) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 160968-02-5 CAPLUS

CN RNA, (mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im), 3'-[(3R-trans)-1-
[[[(3.beta.)-cholest-5-en-3-yl]oxy]carbonyl]-5-(hydroxymethyl)-3-
pyrrolidinyl hydrogen phosphate](9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 160968-03-6 CAPLUS

CN RNA, (mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im),
3'-(6-hydroxyhexyl hydrogen phosphate) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 160968-04-7 CAPLUS

RN	160968-06-9	CAPLUS
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CN DNA, (P-thio)(mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im),
3'-(6-hydroxyhexyl hydrogen phosphorothioate) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 160968-08-1 CAPLUS

L6 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1992:408370 CAPLUS
DN 117:8370
TI Preparation of polyoxyalkylene-linked oligonucleotide derivatives as
antiviral agents
IN Shibahara, Susumu; Morisawa, Hirokazu; Yamamoto, Naoki; Wakayama, Hideko;
Mukoyama, Sachiko
PA Ajinomoto Co., Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03240795	A2	19911028	JP 1990-34498	19900215
IT	138987-93-6DP , phosphate ester with polyethylene glycol				

138987-93-6P

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of, as virucide)

RN 138987-93-6 CAPLUS

CN Inosine, 5'-O-(hydroxymercaptophosphinyl)-P-thioinosinyl- (3'.fwdarw.5')-
P-thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')- (9CI) (CA
INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 138987-93-6 CAPLUS

CN Inosine, 5'-O-(hydroxymercaptophosphinyl)-P-thioinosinyl- (3'.fwdarw.5')-
P-thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')-P-
thioinosinyl- (3'.fwdarw.5')-P-thioinosinyl- (3'.fwdarw.5')- (9CI) (CA
INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L6 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2002 ACS

AN 1991:529735 CAPLUS

DN 115:129735

TI Quadruplex DNA formation in a region of the tRNA gene supF associated with
hydrogen peroxide mediated mutations

AU Akman, Steven A.; Lingeman, Robert G.; Doroshov, James H.; Smith, Steven
S.

CS City Hope Natl. Med. Cent., Duarte, CA, 91010, USA

SO Biochemistry (1991), 30(35), 8648-53

CODEN: BICHAW; ISSN: 0006-2960

DT Journal

LA English

IT **135695-32-8**

RL: PRP (Properties)

(secondary structure of, gene supF mutation from hydroxyl in relation
to)

RN 135695-32-8 CAPLUS

CN DNA, d(A-A-A-I-T-I-A-T-I-I-T-I-I-I-I-I-A-A-I-I-A-T-T-C-I-A-A-C-C-T)
(9CI) (CA INDEX NAME)

L6 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2002 ACS
AN 1991:505986 CAPLUS
DN 115:105986
TI Short therapeutic dsRNA of defined structure
IN Gillespie, David H.; Carter, William A.
PA Hem Research, Inc., USA
SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9014090	A1	19901129	WO 1989-US2172	19890519
	W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MG, MW, NO, RO, SD, SU				
	RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	AU 8937368	A1	19901218	AU 1989-37368	19890519
	EP 473576	A1	19920311	EP 1989-906635	19890519
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04507083	T2	19921210	JP 1989-503637	19890519
	NO 9104529	A	19920414	NO 1991-4529	19911119
PRAI	WO 1989-US2172		19890519		
IT	135751-31-4 135770-06-8 135770-07-9				
	RL: BIOL (Biological study)				
	(double-stranded RNA for activation of double-stranded RNA-dependent enzymes and induction of interferon)				
RN	135751-31-4 CAPLUS				
CN	RNA, (U-C-I-A-A-U-I-I-I-C-C-C-C-C-C-C-C-C-C-U-C-U-U-A-A), complex with RNA (U-U-A-A-I-A-I-I-I-I-I-I-I-I-I-I-C-C-C-A-U-U-C-I-A) (1:1) (9CI) (CA INDEX NAME)				

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

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RN      135770-06-8   CAPLUS
CN      Inosine, uridylyl-(3'.fwdarw.5')-adenylyl-(3'.fwdarw.5')-adenylyl-
      (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
      inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
      (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
      inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
      (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
      inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-, complex with
      cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-
      cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-
      cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-
      cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-
      uridylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-adenosine (1:1) (9CI)  (CA
      INDEX NAME)

```

CM 1

CRN 135493-60-6
CMF C179 H201 N72 O105 P17
CCI MAN
CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 135493-24-2
CMF C136 H179 N45 O89 P14
CCI MAN
CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 135770-07-9 CAPLUS
CN Adenosine, uridylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-adenylyl-

(5'.fwdarw.3')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
 inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
 (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
 inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
 (3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
 uridylyl-(3'.fwdarw.5')-uridylyl-(3'.fwdarw.5')-cytidylyl-(3'.fwdarw.5')-
 inosinylyl-(3'.fwdarw.5')-, complex with uridylyl-(5'.fwdarw.3')-cytidylyl-
 (5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-adenylyl-(5'.fwdarw.3')-adenylyl-
 (5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-
 (5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-
 (5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-
 (5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-(5'.fwdarw.3')-cytidylyl-
 (5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-uridylyl-(5'.fwdarw.3')-adenosine
 (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 135493-69-5
 CMF C196 H225 N76 O118 P19
 CCI MAN
 CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

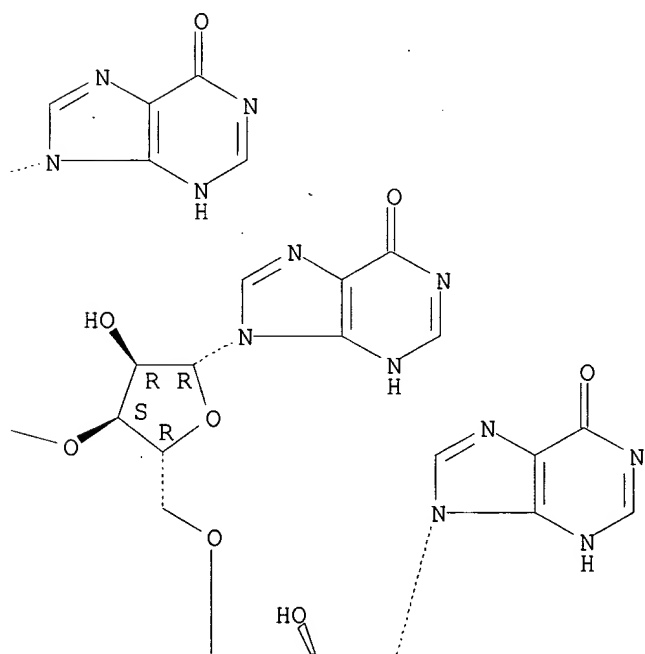
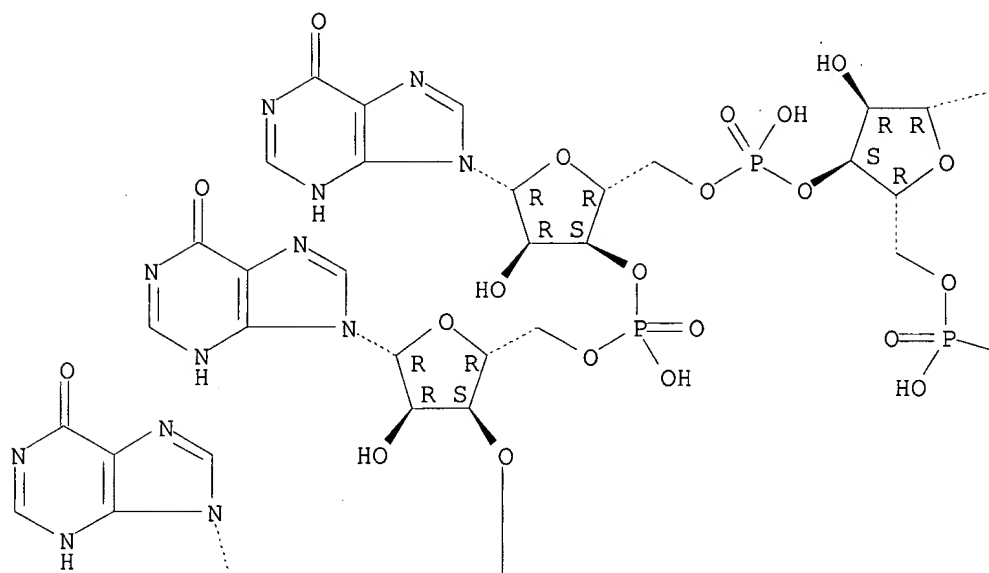
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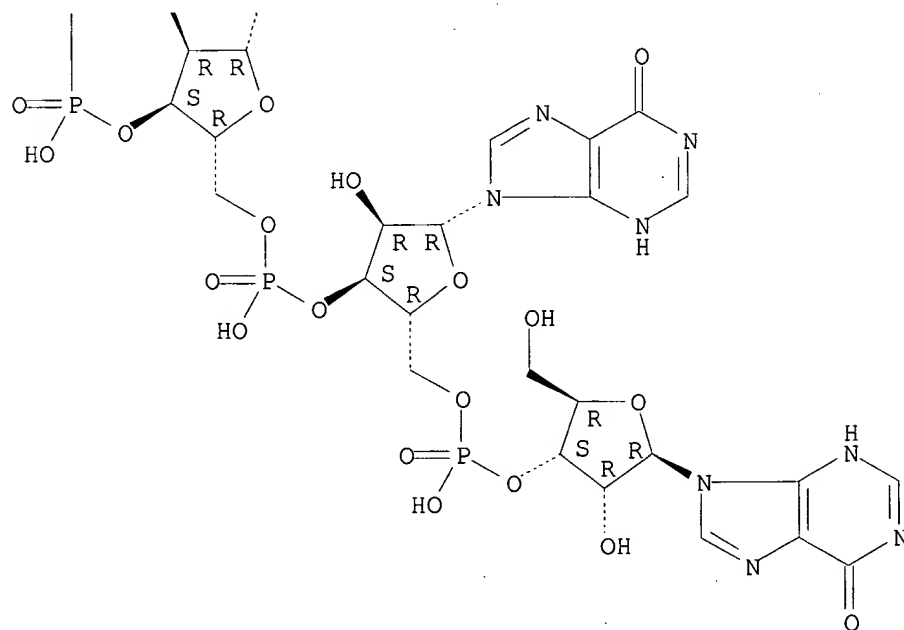
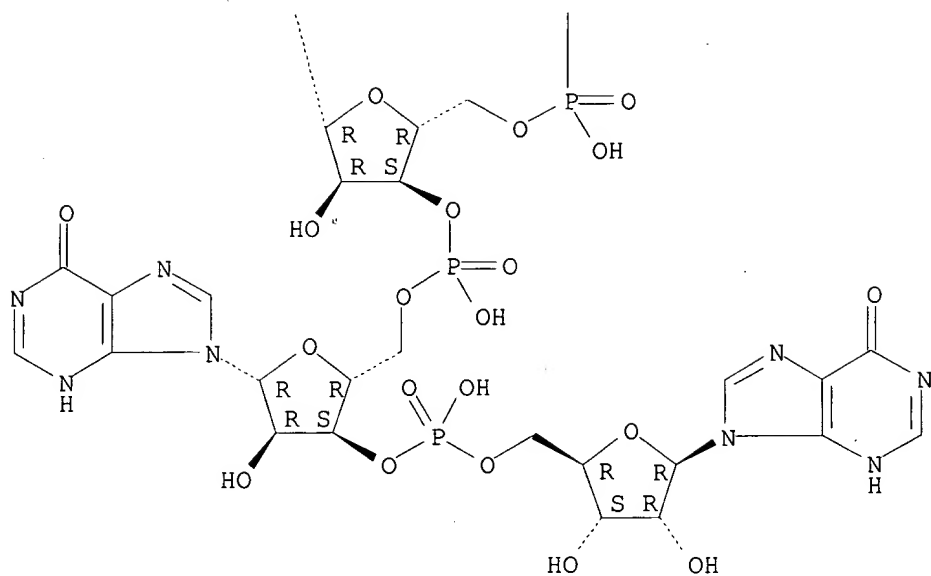
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 CCI MAN
 CDES 5:ALL,B-D-RIBO

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L6 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:235780 CAPLUS
 DN 112:235780
 TI Preparation of oligoribonucleotides as antiviral agents for treatment of
 AIDS
 IN Shibahara, Susumu; Morisawa, Hirokazu; Nakajima, Hideki; Yamamoto, Naoki;
 Mukai, Sachiko
 PA Ajinomoto Co., Inc., Japan
 SO Eur. Pat. Appl., 53 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 339842	A2	19891102	EP 1989-303700	19890413
	EP 339842	A3	19940309		
	EP 339842	B1	19961106		
	R: DE, FR, GB				
	JP 03128391	A2	19910531	JP 1989-64058	19890316
	JP 2976436	B2	19991110		
	EP 739899	A2	19961030	EP 1996-106543	19890413
	EP 739899	A3	19961218		
	EP 739899	B1	20010613		
	R: DE, FR, GB				
	EP 739900	A2	19961030	EP 1996-106544	19890413
	EP 739900	A3	19961218		
	EP 739900	B1	20010613		
	R: DE, FR, GB				
	EP 739901	A2	19961030	EP 1996-106545	19890413
	EP 739901	A3	19961113		
	EP 739901	B1	20011219		
	R: DE, FR, GB				
	EP 739902	A2	19961030	EP 1996-106546	19890413
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	EP 739902	B1	20010613		
	R: DE, FR, GB				

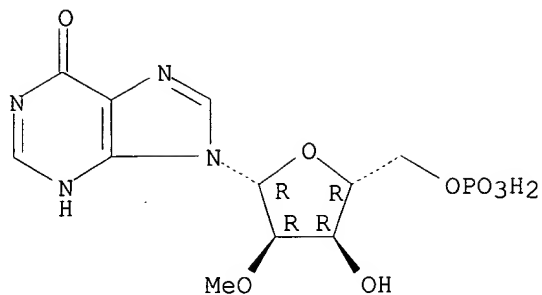




CM 2

CRN 15475-12-4
 CMF C11 H15 N4 O8 P
 CDES 5:B-D-RIBO

Absolute stereochemistry.



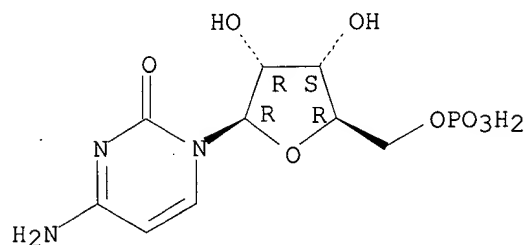
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CMF (C9 H14 N3 O8 P)x
CCI PMS

CM 4

CRN 63-37-6
CMF C9 H14 N3 O8 P
CDES 5:B-D-RIBO

Absolute stereochemistry.

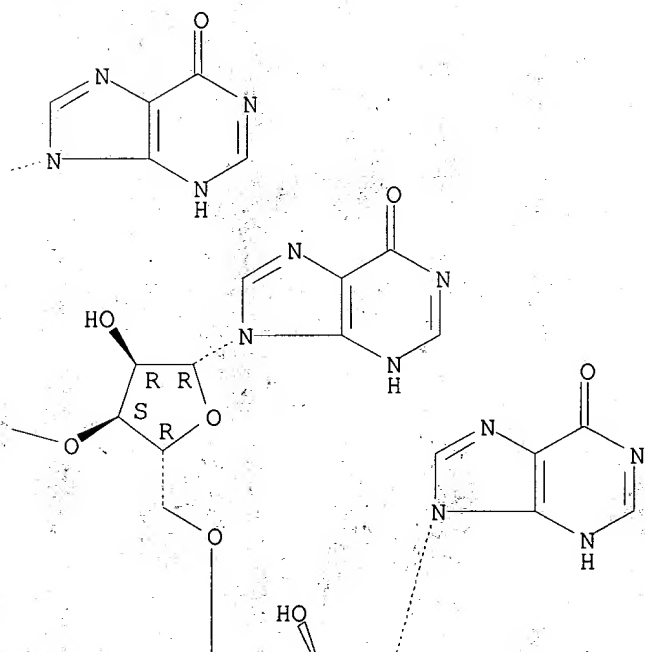
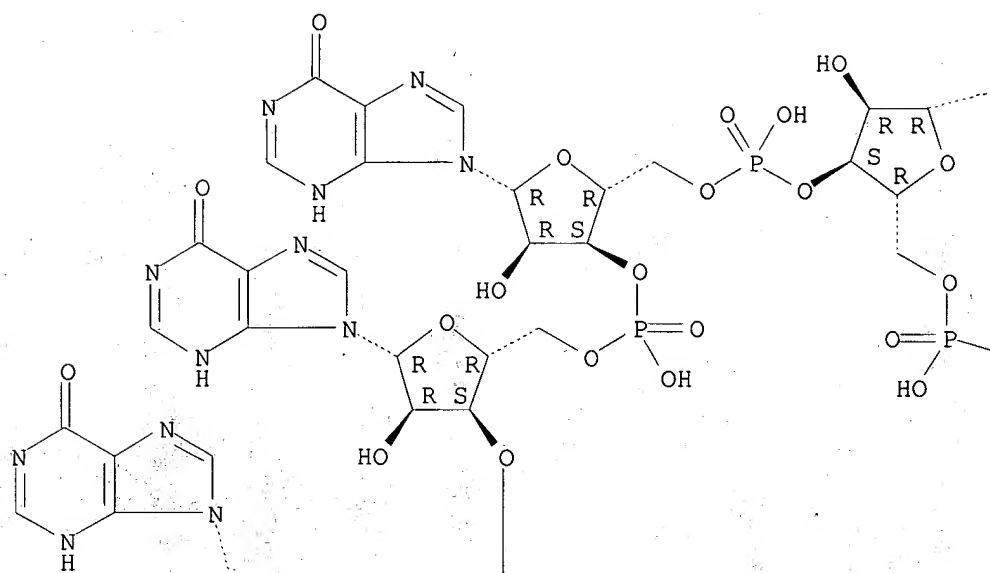


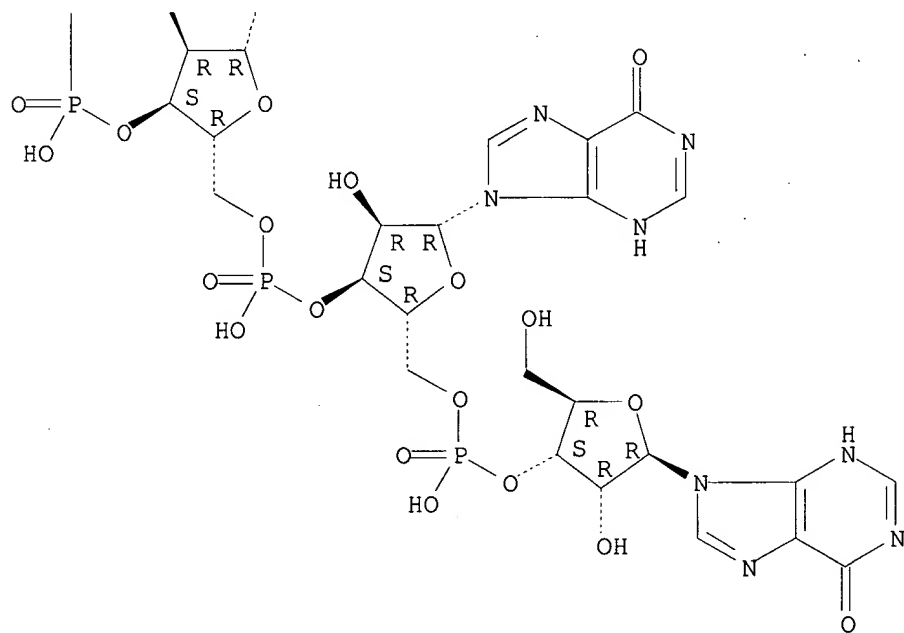
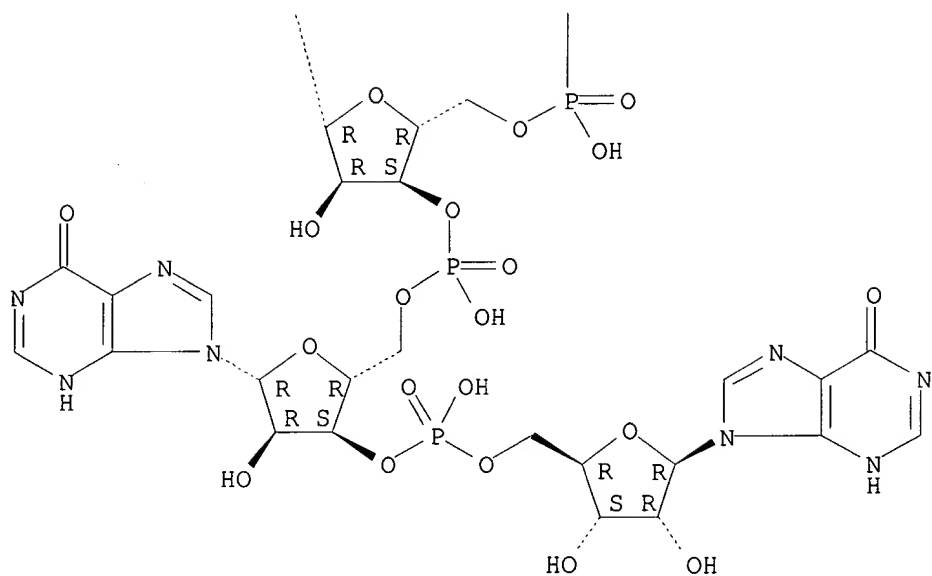
RN 79395-03-2 CAPLUS
CN 5'-Cytidylic acid, homopolymer, complex with inosinylyl-(3'.fwdarw.5')-
inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-
inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-
(3'.fwdarw.5')-inosine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 39014-25-0
CMF C100 H111 N40 O68 P9
CDES 5:ALL,B-D-RIBO

Absolute stereochemistry.





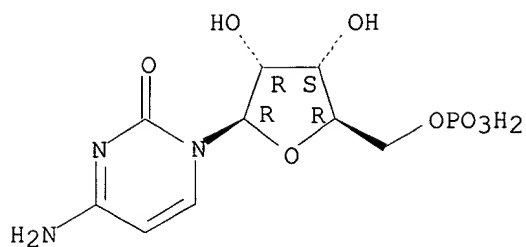
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CM 3

CRN 63-37-6
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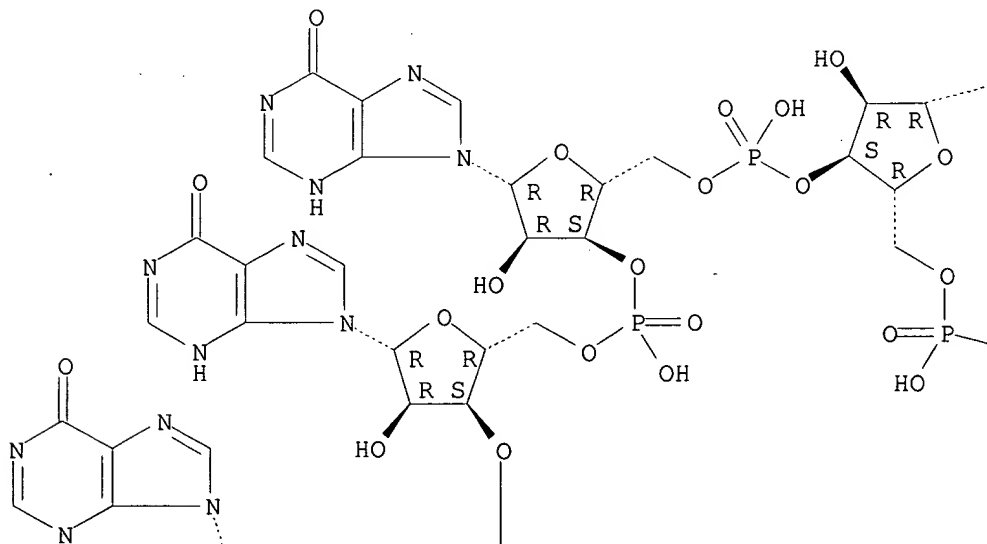
Absolute stereochemistry.

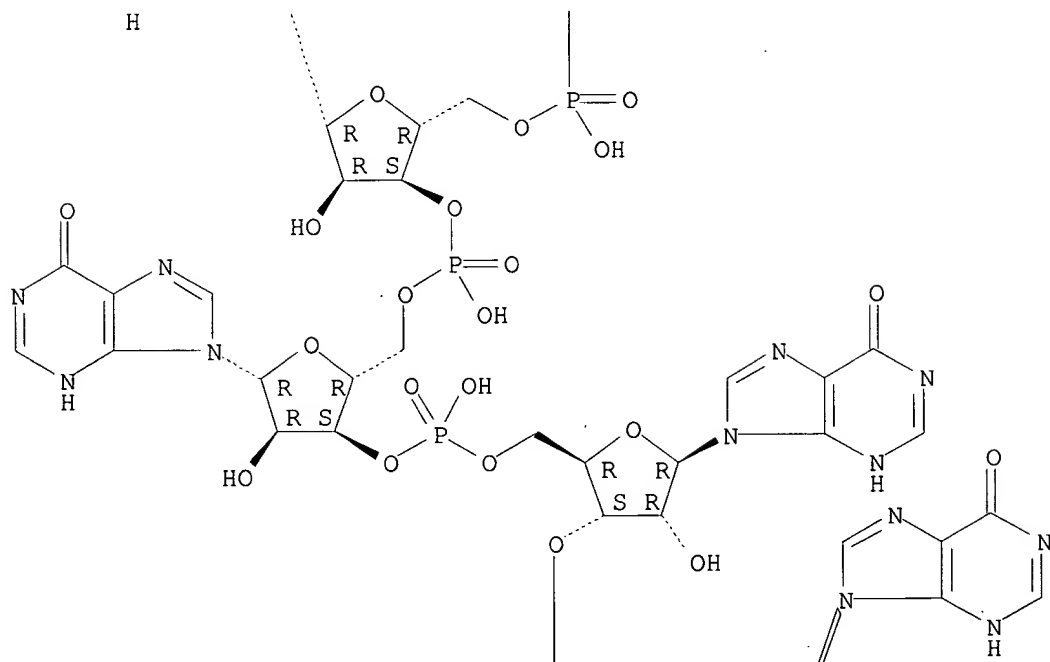
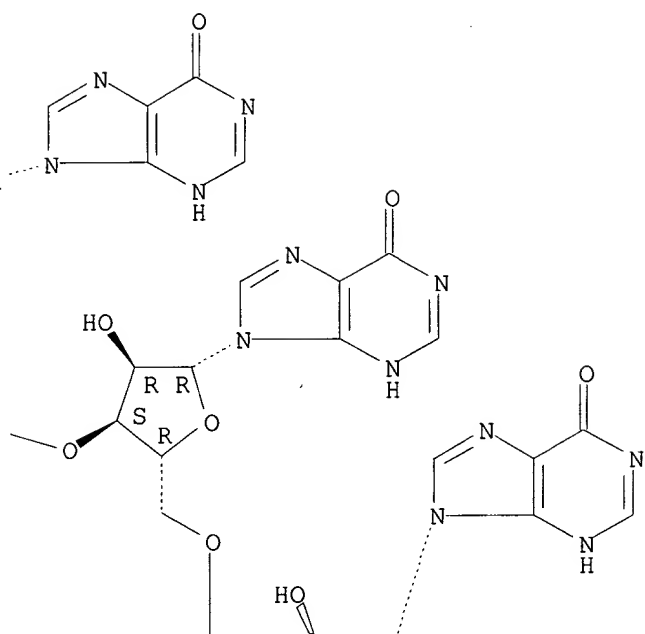


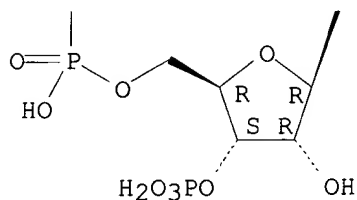
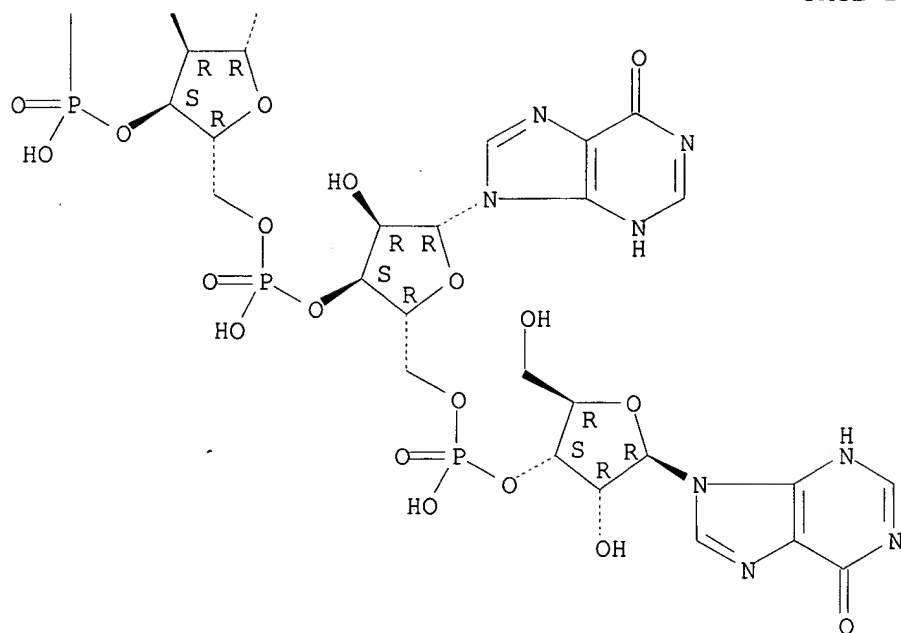
L6 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2002 ACS
 AN 1975:402601 CAPLUS
 DN 83:2601
 TI Comparative ability of RNA and DNA to prime DNA synthesis in vitro. Role of sequence, sugar, and structure of template . primer
 AU Tambllyn, Toby M.; Wells, Robert D.
 CS Coll. Agric. Life Sci., Univ. Wisconsin, Madison, Wis., USA
 SO Biochemistry (1975), 14(7), 1412-25
 CODEN: BICHAW
 DT Journal
 LA English
 IT **55512-76-0**
 RL: BIOL (Biological study)
 (DNA polymerase priming by)
 RN 55512-76-0 CAPLUS
 CN 3'-Inosinic acid, inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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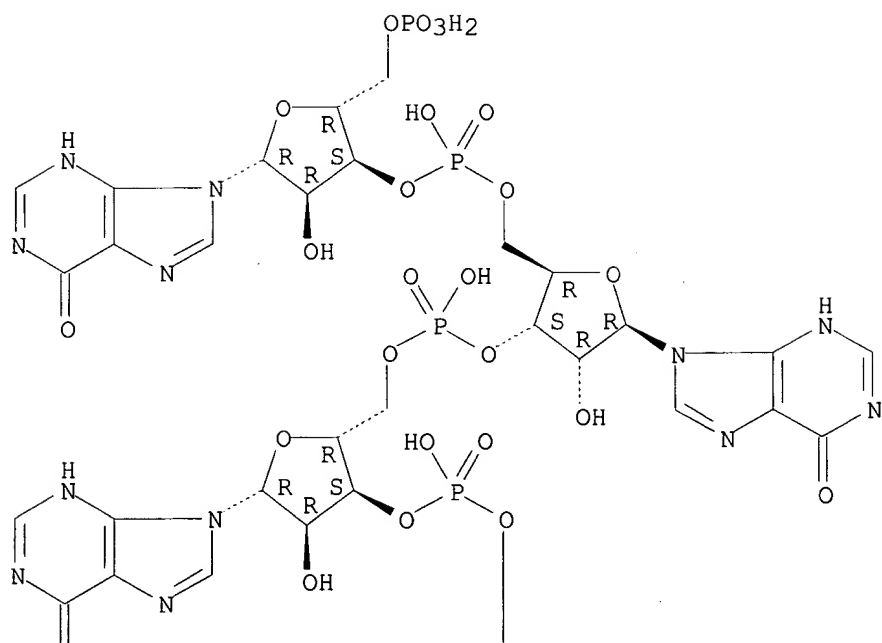


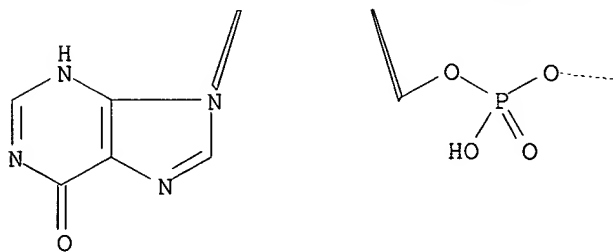
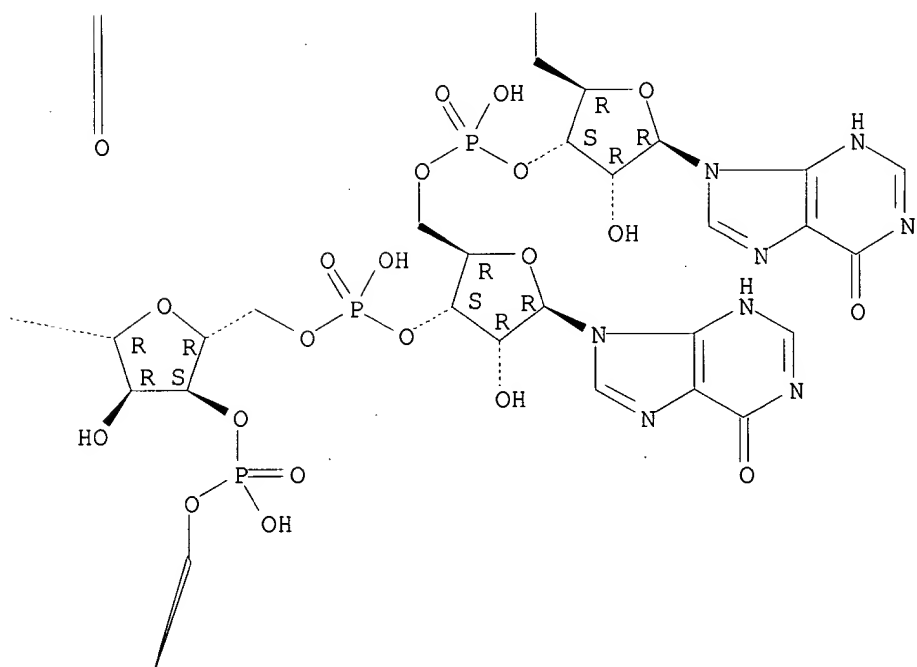
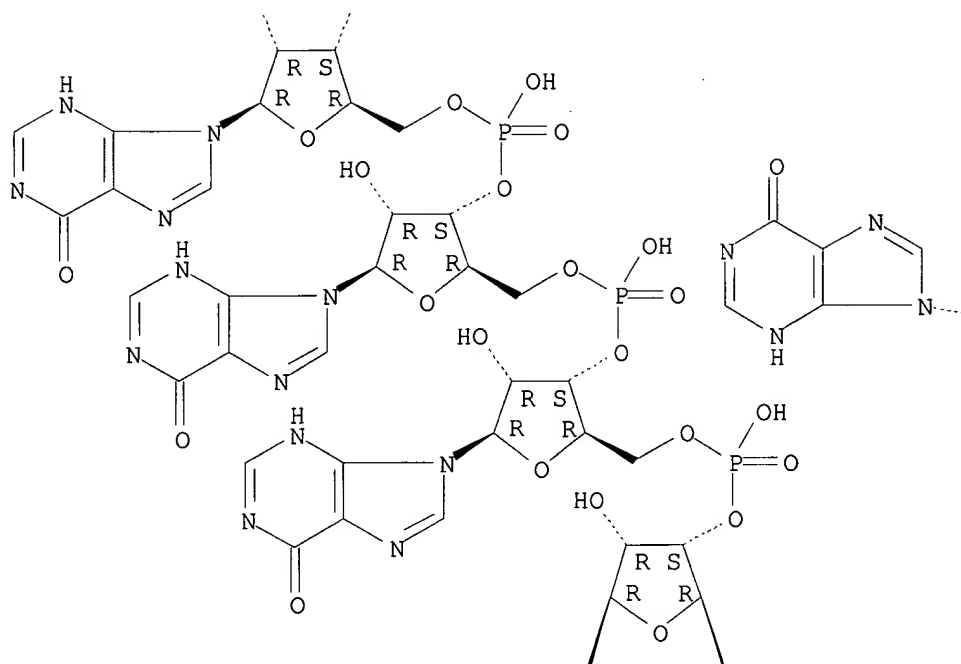


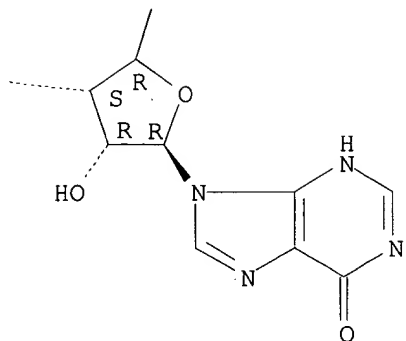


L6 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2002 ACS
 AN 1974:37419 CAPLUS
 DN 80:37419
 TI Cooperative and thermodynamic parameters for oligoinosinate-polycytidylate complexes
 AU Springgate, M. W.; Poland, Douglas
 CS Dep. Chem., Johns Hopkins Univ., Baltimore, Md., USA
 SO Biopolymers (1973), 12(10), 2241-60
 CODEN: BIPMAA
 DT Journal
 LA English
 IT **51236-39-6 51288-32-5**
 RL: PRP (Properties)
 (thermodynamic properties of)
 RN 51236-39-6 CAPLUS
 CN 5'-Inosinic acid, inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-, complex with 5'-cytidylic acid homopolymer (1:1) (9CI) (CA INDEX NAME)
 CM 1
 CRN 51236-38-5
 CMF C110 H123 N44 O78 P11
 CDES 5:ALL,B-D-RIBO

Absolute stereochemistry.







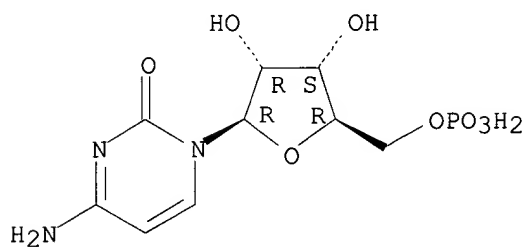
CM 2

CRN 30811-80-4
 CMF (C9 H14 N3 O8 P)x
 CCI PMS

CM 3

CRN 63-37-6
 CMF C9 H14 N3 O8 P
 CDES 5:B-D-RIBO

Absolute stereochemistry.



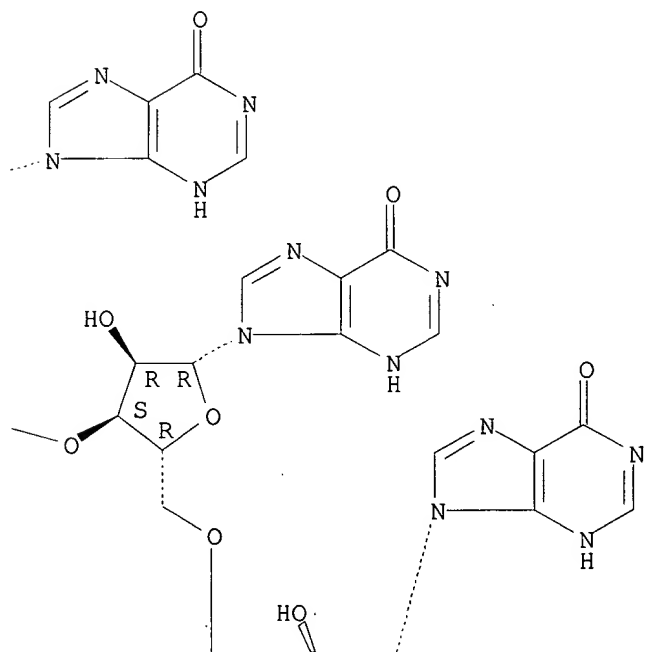
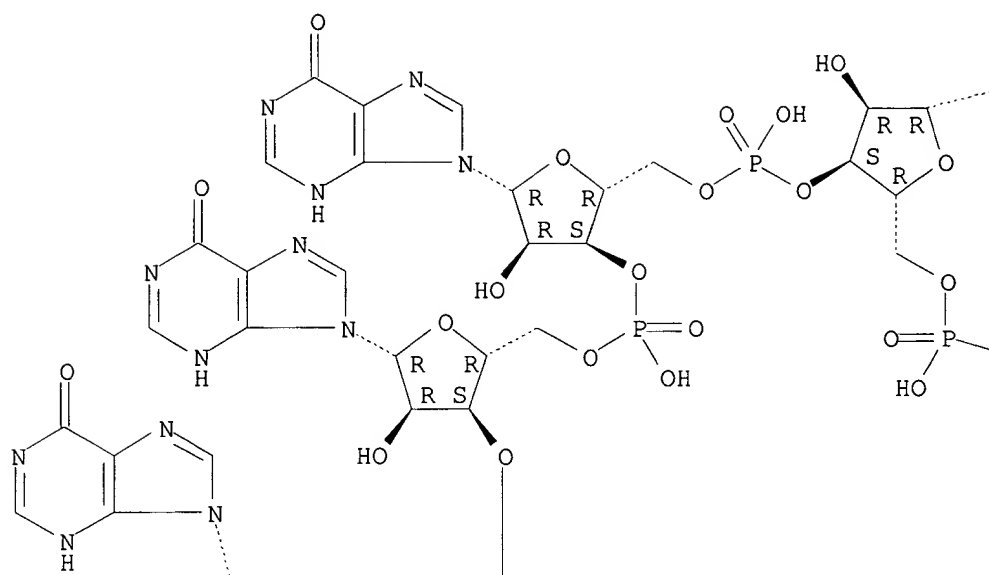
RN 51288-32-5 CAPLUS

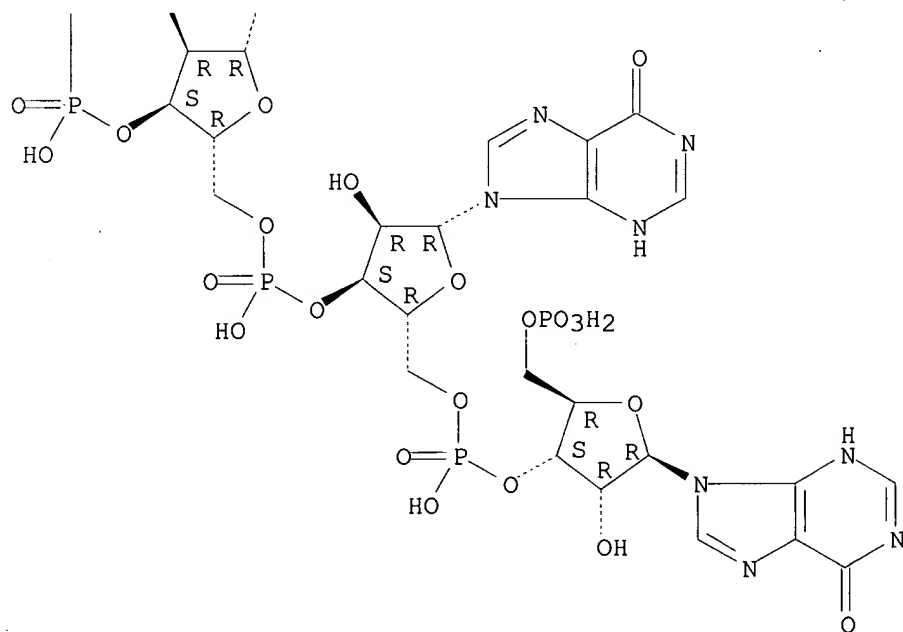
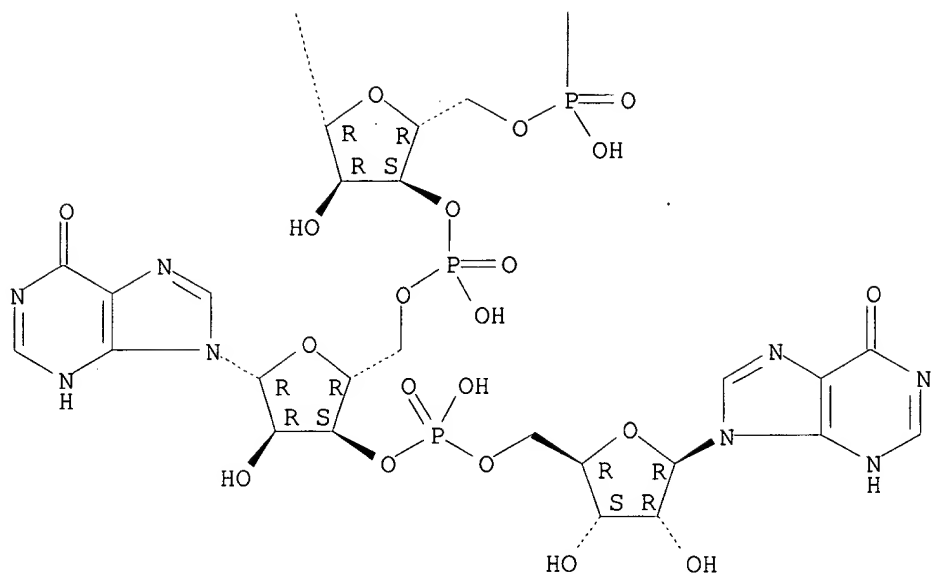
CN 5'-Inosinic acid, inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-
 inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-
 (5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-
 inosinylyl-(5'.fwdarw.3')-inosinylyl-(5'.fwdarw.3')-, complex with
 5'-cytidylic acid homopolymer (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 51288-31-4
 CMF C100 H112 N40 O71 P10
 CDES 5:ALL,B-D-RIBO

Absolute stereochemistry.





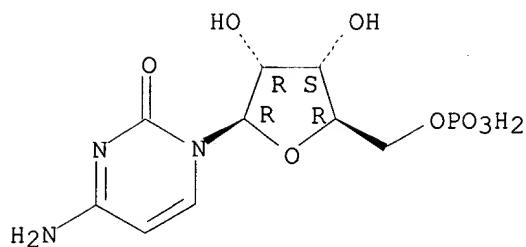
CM 2

CRN 30811-80-4
 CMF (C9 H14 N3 O8 P)x
 CCI PMS

CM 3

CRN 63-37-6
 CMF C9 H14 N3 O8 P
 CDES 5:B-D-RIBO

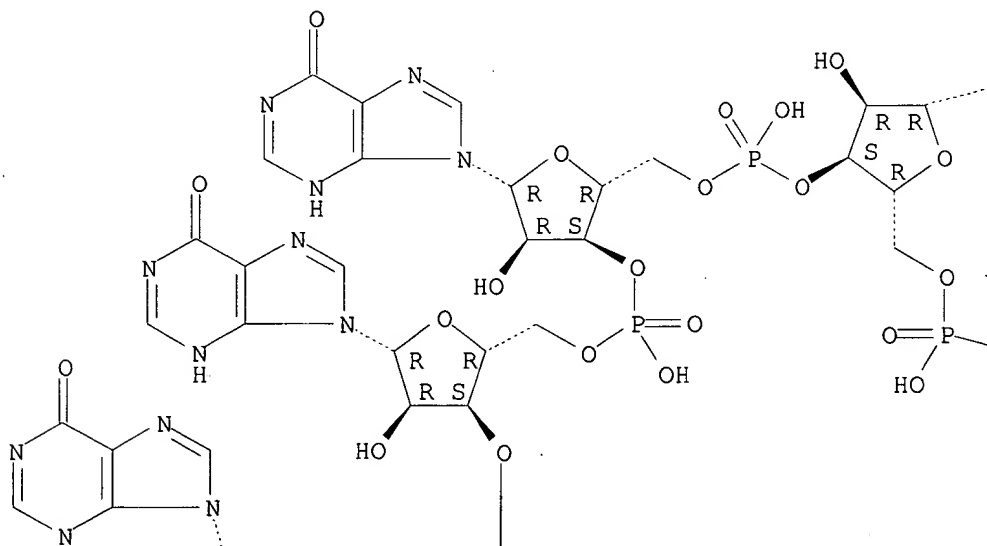
Absolute stereochemistry.

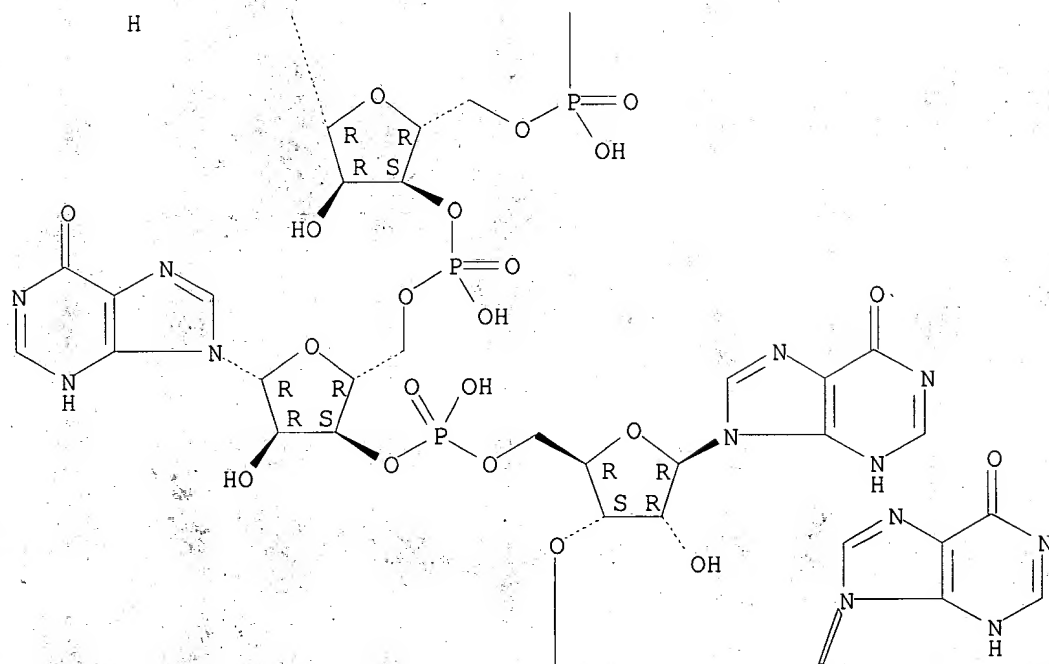
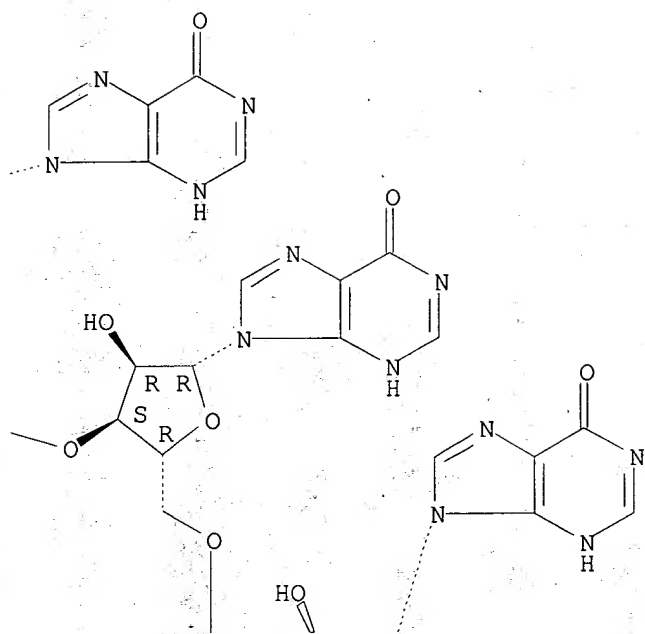


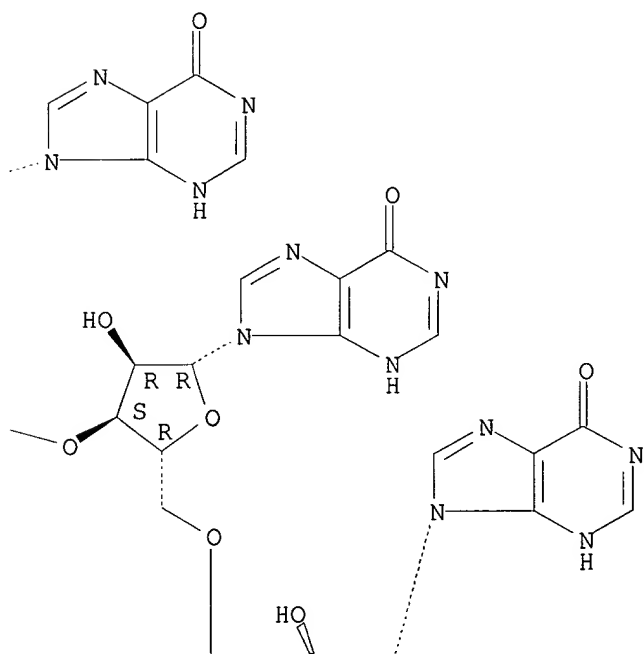
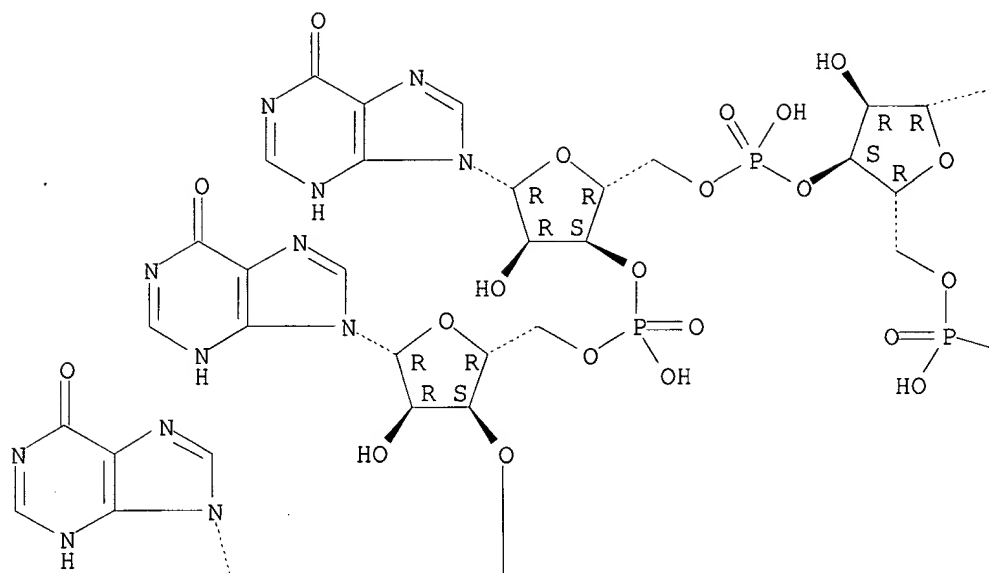
L6 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2002 ACS
 AN 1972:540441 CAPLUS
 DN 77:140441
 TI Oligonucleotides. 2. Conformation of oligoinosinates. Chain-length dependence and comparison to other oligonucleotides
 AU Tazawa, Setsuko; Tazawa, Ichiro; Alderfer, James L.; Ts'o, Paul O. P.
 CS Dep. Radiol. Sci., Johns Hopkins Univ., Baltimore, Md., USA
 SO Biochemistry (1972), 11(19), 3544-58
 CODEN: BICHAW
 DT Journal
 LA English
 IT **39014-26-1**
 RL: PRP (Properties)
 (conformation of, CD and NMR in relation to)
 RN 39014-26-1 CAPLUS
 CN Inosine, inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')-inosinylyl-(3'.fwdarw.5')- (9CI)
 (CA INDEX NAME)

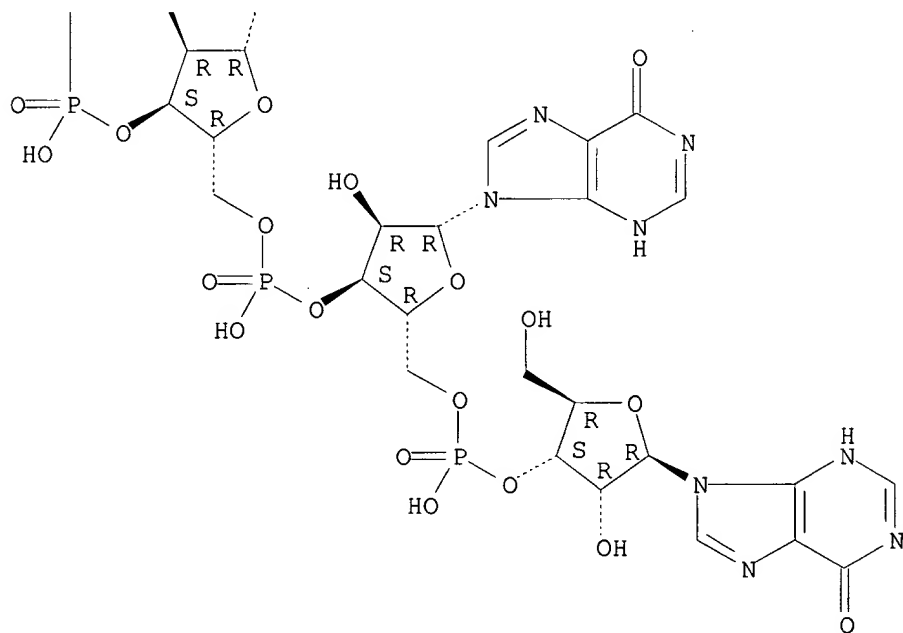
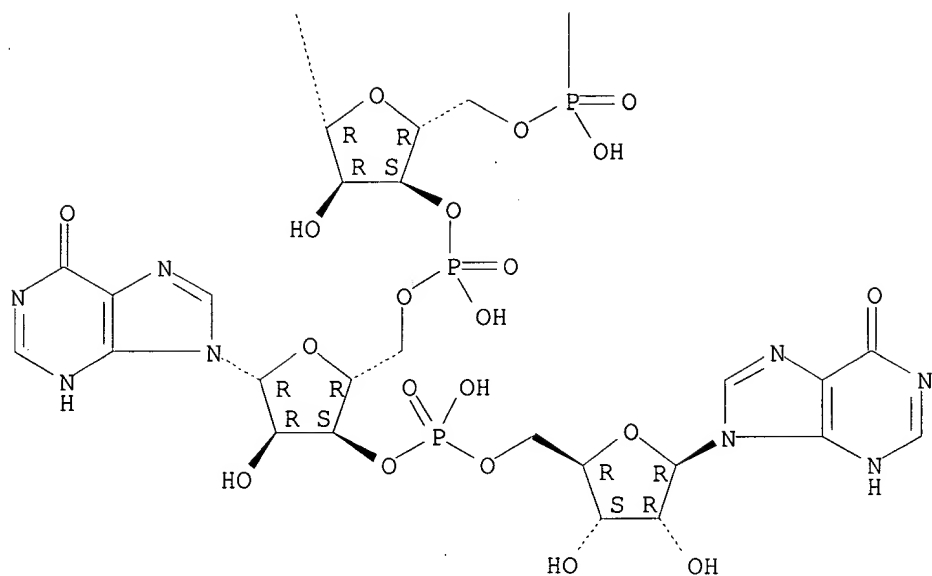
Absolute stereochemistry.

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=> D L5 1-22

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:Y

L5 ANSWER 1 OF 46 REGISTRY COPYRIGHT 2002 ACS
 RN 376655-83-3 REGISTRY
 CN DNA, d([1'-de(6-amino-9H-purin-9-yl)-1'-(1,6-dihydro-6-oxo-7H-purin-7-yl)](A-A-A-A-A-A-A-A-A-A)-T) (9CI) (CA INDEX NAME)
 FS NUCLEIC ACID SEQUENCE
 MF Unspecified
 CI MAN
 SR CA
 LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***


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L5 ANSWER 10 OF 46 REGISTRY COPYRIGHT 2002 ACS
RN 228247-16-3 REGISTRY
CN DNA, d(C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C), complex with DNA
d(I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I) (1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN DNA, d(I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I), complex with DNA
d(C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C) (1:1) (9CI)
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS
```


CN RNA, (mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-
mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-mIs6Im-

=>

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.40	272.39

STN INTERNATIONAL LOGOFF AT 12:48:46 ON 17 JUL 2002